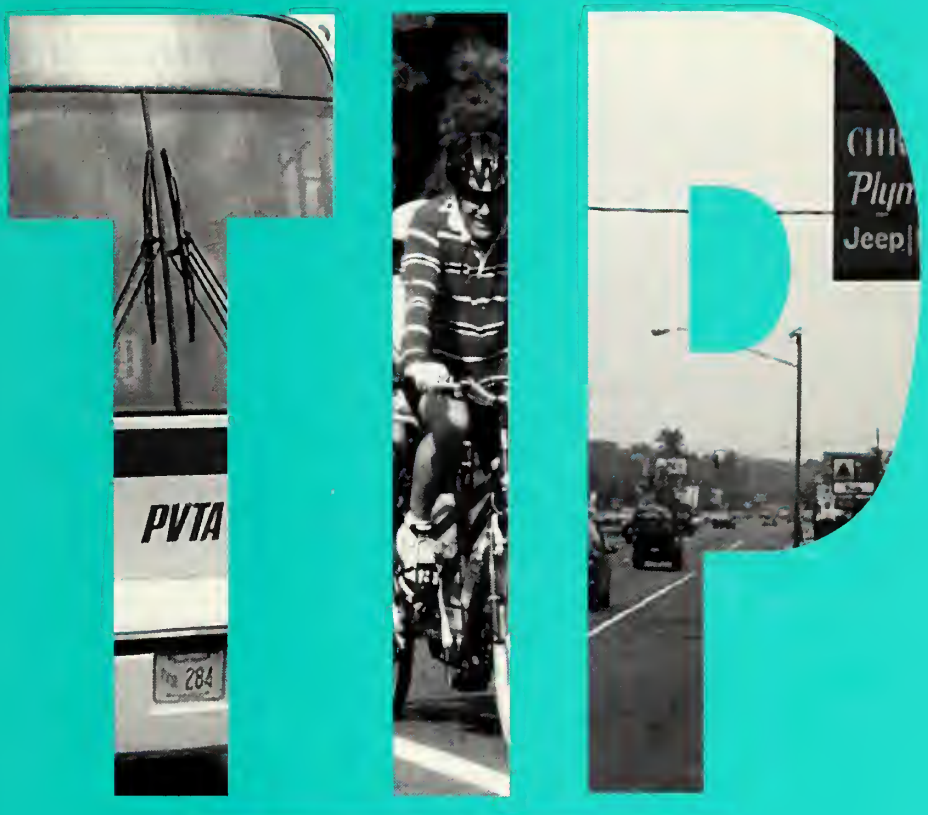
MASS. Y3.LP1:4/2000-2005

UMASS/AMHERST

312066 0367 6760 4

Transportation Improvement Program



FFY 2000-2005

for the Pioneer Valley Region, Massachusetts

Endorsed September 1, 1999

This document was prepared under contract with the Executive Office of Transportation and Construction with the cooperation of the Federal Highway Administration and the Federal Transit Administration.

TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

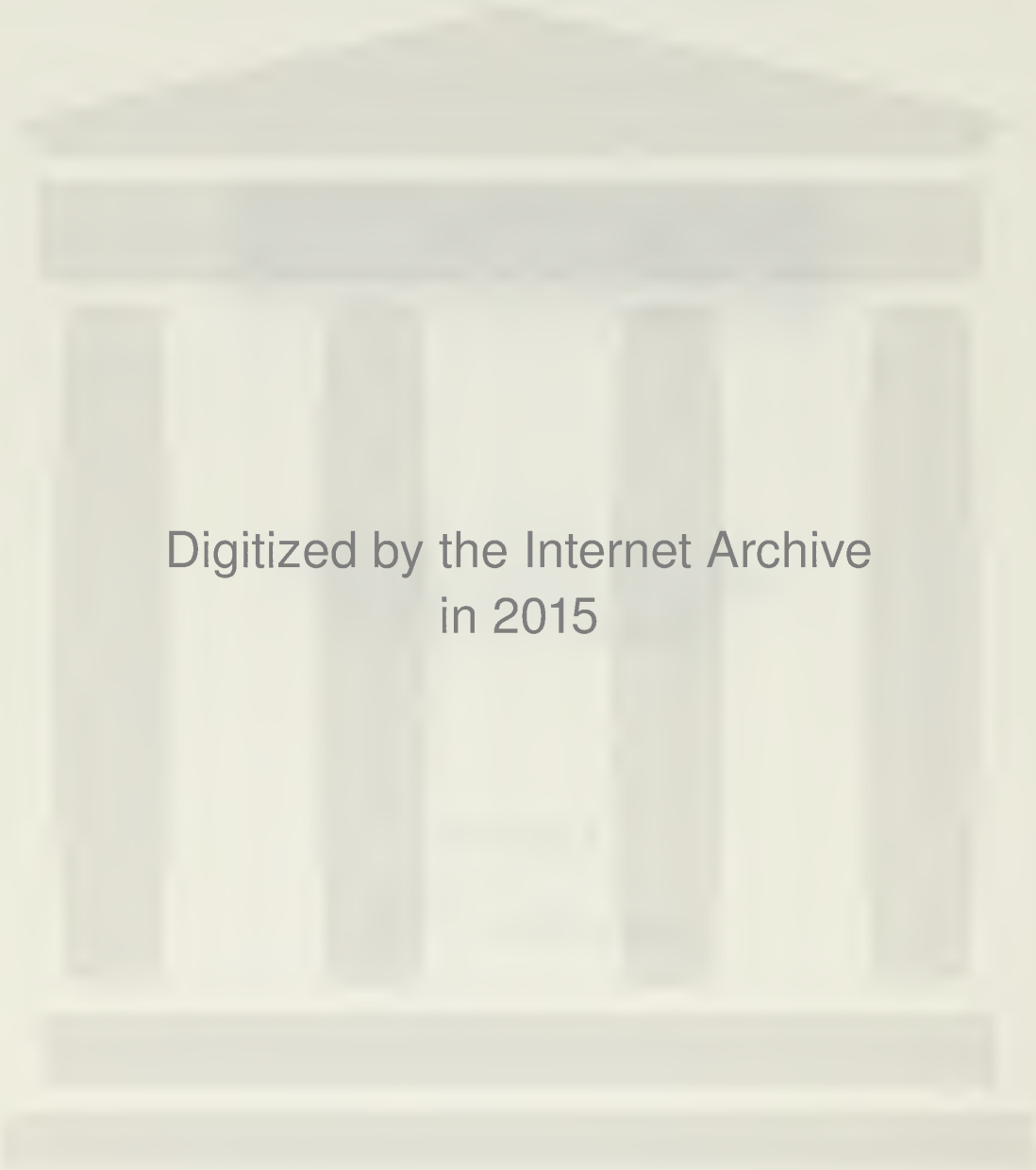
FFY 2000-2005

For the
PIONEER VALLEY REGION,
MASSACHUSETTS

Endorsed

September 1, 1999

This document was prepared under contract with the Executive Office of Transportation and Construction, with the cooperation of the Federal Highway Administration and the Federal Transit Administration.


Digitized by the Internet Archive
in 2015

https://archive.org/details/transportationim2000pion

Table of Contents

PREFACE 1

I. GENERAL SUPPORT INFORMATION 2

INTRODUCTION 2

PROJECT PRIORITY CRITERIA AND SELECTION 3

DESCRIPTION OF FUNDING SOURCES 4

TRANSPORTATION SYSTEM OPERATING AND MAINTENANCE COSTS 6

Table 1 Transportation Operating and Maintenance Expenditures 7

II. PUBLIC PARTICIPATION SUMMARY AND CHANGES 8

COMMENTS MADE REGARDING THE FFY 1999-2004 TIP : 8

III. TRANSPORTATION PROJECT PRIORITIES 14

ORGANIZATION OF PROJECT LISTINGS 14

Table 2 2000 Bridge Projects 15
Table 3 2001 Bridge Projects 16
Table 4 2002 Bridge Projects 17
Table 5 2003 Bridge Projects 17
Table 6 2004 Bridge Projects 18
Table 7 2000 Enhancement Projects 18
Table 8 2001 Enhancements Projects 19
Table 9 2002 Enhancements Projects 19
Table 10 2003 Enhancements Projects 20
Table 11 2004 Enhancement Projects 20
Table 12 2000-2005 Future Year Enhancement Projects 21
Table 13 2000 Highway Projects 21
Table 14 2001 Highway Projects 24
Table 15 2002 Highway Projects 25
Table 16 2003 Highway Projects 26
Table 17 2004 Highway Projects 27
Table 18 2000 Transit Projects 29
Table 19 2001 Transit Projects 30
Table 20 2002 Transit Projects 31
Table 21 2003 Transit Projects 32
Table 22 2004 Transit Projects 33
Table 23 2005 Transit Projects 34

IV. FEDERAL COMPONENT 35

PIONEER VALLEY MPO ENDORSEMENT 35

CERTIFICATION OF THE 3-C PLANNING PROCESS 38

FUNDING INFORMATION 38

Federal Aid Funding Targets 38

Federal Aid Financial Constraint 38

Table 24 Federal Highway Financial Plan 39
Table 25 Federal Transit Financial Plan 39

REGIONAL FEDERAL AID PROJECT LISTING 40

Table 26 2000 Regional Federal-Aid Project Listing 40

Table 27 2001 Regional Federal-Aid Project Listing 41
Table 28 2002 Regional Federal-Aid Project Listing 43
Table 29 2003 Regional Federal-Aid Project Listing 44
Table 30 2004 Regional Federal-Aid Project Listing 45
Table 31 2005 Regional Federal-Aid Project Listing 46

STATEWIDE FEDERAL AID PROJECT LISTING 48
Table 32 FFY 2000-2005 TIP Statewide Items 48

PROJECT IMPLEMENTATION 50
Table 33 Status of FFY 1997 - 1998 TIP Projects 50

CONFORMITY DETERMINATION 51
Table 34 FFY 2000-2005 TIP Non-Exempt Projects 52
Table 35 Western MA Ozone Non-Attainment Area Emission Estimates 52

V. NON-FEDERAL COMPONENT 53

FUNDING INFORMATION 53
Table 36 Non-Federal Highway Financial Plan 53

REGIONAL NON-FEDERAL AID PROJECT LISTING 54
Table 37 2000 Regional Non-Federal-Aid Projects 54
Table 38 2001 Regional Non-Federal-Aid Projects 58
Table 39 2002 Regional Non-Federal-Aid Projects 59
Table 40 2003 Regional Non-Federal-Aid Projects 60
Table 41 2004 Regional Non-Federal-Aid Projects 61

APPENDICES 63

PREFACE

The Pioneer Valley Region

The Pioneer Valley Region is comprised of 43 cities and towns covering approximately 1,180 square miles. Home to over 600,000 residents, the Pioneer Valley is the fourth largest metropolitan area in New England. The following map references the Pioneer Valley Region and displays an outline of the principle highways throughout.

TIP Format and MPO Endorsement

The FFY 2000-2005 TIP has been developed as a six-year program for several reasons. The amount of funding that will be available for the regional targets, after the needs of the Central Artery/Ted Williams Tunnel (CA/T) Project have been met, has been a subject of discussion for many years. The six-year authorization of TEA-21 provides the opportunity to program these funds. In addition, the longer programming period also makes it possible to use advance construction projects for not only the CA/T project, but also other large projects.

The FFY 2000-2005 TIP has been prepared with completely separate components of the document that are subject to federal review and approval and components that are not. This distinction of a "federal component" was the firm position of the Executive Office of Transportation and Construction (EOTC) as a means to avoid potential problems with adequately satisfying federal financial constraint requirements with the non-federal aid component of the TIP. Although a non-federal component of the TIP is represented, it is understood that this component is not subject to Metropolitan Planning Final Rule 23 CMR 450 section 324, therefore federal review and approval is not required.

The non-federal component is provided for the benefit of the MPO and the constituent communities as a representation of an agreed upon listing of improvement projects to be under taken entirely with state provided resources. The separation of federal aid projects from non-federal aid projects by no means represents a lack of commitment by the state to fund all projects specifically programmed in the document. Assuming that adequate funds are available from federal and/or state sources, it can be fully expected that the following project listings can and will be implemented over the FFY 2000-2005 time frame. Pending federal guidance approving the inclusion of non-federal aid projects without secured bonded resources in each year, the TIP will be amended to reinstate all non-federal aid projects into the document endorsed for federal review and approval.

EOTC Commitment to Funding all Designed and Permitted Projects

The EOTC has committed to funding all transportation improvement projects that will be ready for advertisement in FFY 2000 and beyond. In response to this commitment, Pioneer Valley local officials have made a concerted effort to develop a TIP project listing that is truly representative of the projects that will realistically be ready for advertisement in FFY 2000-2005. Funding targets for the Pioneer Valley Region have been issued by EOTC identifying potential resources for each year of the TIP.

I. GENERAL SUPPORT INFORMATION

INTRODUCTION

The Transportation Improvement Program (TIP) is a requirement of the Metropolitan Transportation Planning Process as described in the Metropolitan Planning Final Rule 23 CFR 450 section 324. This regulation developed by the Federal Department of Transportation defines the Transportation Improvement Program as:

> *"A staged, multiyear, intermodal program of transportation projects which is consistent with the metropolitan transportation plan."*

The Pioneer Valley TIP is a six-year schedule of projects identified by year and location complete with funding source and cost. The TIP is developed annually and is available for amendment and adjustment at any time. Each program year of the TIP coincides with the Federal Fiscal Year calendar, October 1 through September 30. All TIPs and amendments are consistent with the goals and objectives of the Regional Transportation Plan for the Pioneer Valley region. This TIP is financially constrained.

All projects in the TIP come from the conforming 1997 Regional Transportation Plan. All regionally significant projects included in the TIP were previously included in the air quality analysis completed for the conforming RTP. Because projects in the TIP come from the conforming RTP, and all regionally significant RTP projects for 2000 through 2005 (both Federal and Non-Federal Aid) are programmed in the TIP, the same air quality analysis utilized for the RTP can be used for the TIP. Therefore, this TIP, in combination with the TIPs from the other MPOs in the nonattainment area, is found to be in conformance.

Development of the TIP

The Pioneer Valley Metropolitan Planning Organization (MPO) is responsible for developing the TIP. The MPO is comprised of four independently operating agencies:

- Executive Office of Transportation and Construction (EOTC);
- Massachusetts Highway Department (MHD);
- Pioneer Valley Transit Authority (PVTA); and
- Pioneer Valley Planning Commission (PVPC).

As the lead planning agency for the MPO, the PVPC accepts the responsibility for developing the TIP in a cooperative process with other members of the MPO and the general public. The final TIP is voted on for endorsement at a formal meeting of the MPO. The endorsed TIP project listing is included in the State Transportation Improvement Program verbatim and requires endorsement by the Governor.

The MPO relies on a transportation advisory committee to carry out the cooperative process during TIP development. The Joint Transportation Committee (JTC) is a group of community appointed officials, MPO member representatives, public and private transportation providers, citizens, and special interest groups and agencies. The JTC establishes and recommends to the MPO procedures for submitting, prioritizing and

selecting projects for the TIP. PVPC staff provides the technical support to conduct the TIP development activities for the JTC.

Below is a general outline of steps taken during the TIP development process.

1. JTC establishes submittal, priority and selection procedures and schedule
2. Project proponents (communities, MPO members, agencies...) submit projects
3. State submits annual funding targets for region
4. Projects are selected based on an adopted priority and selection process to consume funds
5. Draft TIP project listings are distributed for review and comment by MPO members, and the JTC
6. Final Draft TIP is approved by JTC for general public release for no less than a 30 day review period
7. Final Draft TIP is distributed for review and comment in accordance with the adopted Public Participation Plan
8. Public meetings and news releases are conducted to promote public involvement
9. Comments are compiled and addressed
10. Final TIP developed for JTC recommendation to MPO
11. MPO meets to vote on endorsement
12. Endorsed Regional TIPs are compiled to create the State TIP (STIP)
13. Governor Endorsed STIP submitted to federal agencies for review and approval
14. Federally approved STIP is ready for state implementation (project advertisement)
15. Amendment and adjustment of the TIP are conducted on an as needed basis

PROJECT PRIORITY CRITERIA AND SELECTION

The JTC developed and adopted a process and set of criteria to prioritize the region's TIP projects. All projects included in the TIP have been evaluated and assigned a priority value or rating. This process is used as a management tool to identify projects of regional priority and program them accordingly in the TIP.

Priority Criteria

A Project Information Form was developed in concert with the priority process and contains information for each project submitted. In addition to this, consultation with the project sponsors and the state provided information also used in the evaluation of each project priority rating. The priority rating was based on the following information:

- Identified in the RTP;
- Project Preparedness;
- Benefit Cost;
- Facility Preservation;
- Congestion Relief;

- Safety;
- Enhanced mobility;
- Air Quality/Environmental;
- Enhancement Activity; and
- Status of Design.

A detailed outline of the project priority evaluation criteria and the Project Information Form is presented in Appendix A.

Project Selection and Programming

The project priority ratings were applied in conjunction with a project's anticipated advertisement schedule and with the funding targets provided by the state to develop the six-year program of the TIP. A project was not considered for scheduling in a year earlier than its anticipated schedule regardless of the priority rating. For projects that are expected to be ready to go in the first year of the TIP the top priority projects for that year were funded under the federal aid categories, since these funds are most secure. Once the federal aid funds were completely programmed, non-federal aid funds were programmed to priority projects. This initial assignment procedure was applied to each year of the TIP and is subject to change as the TIP is developed and refined by members of the MPO and the JTC.

Amendment/Adjustment of the TIP

For the purposes of project selection and programming, amendment or adjustment to the TIP can be conducted at any time. Amendment of the TIP consists of addition of a project not previously programmed, the advancement of a Year 3 project through Year 6 or a significant adjustment to project costs. Amendment requires formal MPO action.

Program adjustments can be conducted without formal MPO action in order to minimize constraints on programming projects. Minor adjustments could include such actions as moving projects between Year 1 and Year 2, and minor fluctuations in project description, costs and funding source. This action can be accomplished through an agreed upon administrative action.

DESCRIPTION OF FUNDING SOURCES

Interstate Maintenance (IM) - Resurfacing, restoration and rehabilitation are eligible activities for maintaining Interstate facilities. Reconstruction is also eligible if it does not add capacity. However, high-occupancy-vehicle (HOV) and auxiliary lanes can be added. Funding: federal - 90 %, state - 10 %.

Surface Transportation Program (STP) - This program is for the maintenance and construction of the federal aid system, all roads other than those functionally classified as local or rural minor collectors. Funds may also be flexed for use on bridge, transit capital, and bike or trail facilities. A minimum amount of 10 percent must be set aside for both safety construction activities and for transportation enhancements. The remaining STP balance is for use throughout the state. Funding: federal - 80%, state - 20%.

Surface Transportation Program Enhancements (STP) - A portion of the Surface Transportation Program funding for enhancement projects chosen by states and localities. Funding: federal - 80%, state - 20%

Congestion Mitigation and Air Quality Improvement Program (CMAQ) - These funds are directed towards transportation projects and programs which reduce transportation-related emissions. These funds are to assist areas designated as nonattainment and maintenance under the Clean Air Act Amendments of 1990. These projects will contribute to meeting the attainment of National Ambient Air Quality Standards (NAAQS). Funding: federal - 80%, state - 20%.

Bridges - Funds the replacement or repair of structurally deficient or unsafe bridges in urban and rural areas. All bridges, both on and off the federal aid roadway system are eligible for funding. Funding: federal - 80%, state - 20%.

National Highway System (NHS) - The National Highway System (NHS) consists of major roads in the United States, including all Interstate routes, a large percentage of urban and principal arterials, the defense Strategic Highway Network (STRAHNET) and other strategic highway connectors. Typically, these facilities qualify for an 80 percent federal share, however, projects on Interstates may qualify for up to 90 percent federal share funds. Funding: federal - 80%, state - 20%.

Scenic Byways Program - Grant funds provided through the ISTEA legislation for the planning, design, and development of state Scenic Byway Programs. Scenic Byways, additionally, may be funded through the 10 percent set-aside of STP funds for enhancement activities. Funding: federal - 80%, state - 20%.

Other Federal Aid - This category includes projects that received federal funding within the Federal-Aid Program and may include special demonstration project funding. Funding: federal - 80%, state - 20%.

Non-Federal Aid (NFA) - This funding category contains all those projects not receiving federal funds. Various categories of state funding are included in this group including bikeways, State Aid (Chapter 90), and highway construction and maintenance (Chapter 497). This category is included in the TIP for informational purposes only. Funding: federal - 0 %, state - 100 %.

Section 5309 Capital (SEC.09) - A discretionary grant program funding capital projects in urban areas that are considered major capital investments in public transportation and facilities. Funding: Federal - 80%, State - 20%

Section 5307 Capital (SEC. 07-CAP) - Eligible projects for Section 5307 (Capital) funds include the planning, acquisition, construction, improvement and operating costs of facilities, equipment, and associated capital maintenance items for use in providing mass transit service. The Federal match for Planning and/or capital assistance under Section 5307 is 80 percent of the net project cost, but a recipient is permitted to provide additional local match at its option. There are three exceptions to 80 percent Federal match for capital projects:

1. Air Quality Benefit. If an air quality benefit can be forecast for a project such as a bus purchase, the federal match is 90 percent. Larger state and local matches are allowed.
2. Elderly and Disabled Projects. The federal match is 95 percent for any element of a capital project intended exclusively to enhance the accessibility and mobility of elderly and disabled persons and that is in excess of Federal requirements. All FTA-funded projects must be designed and implemented to meet the basic accessibility or mobility needs of elderly and disabled persons.
3. Additional Service. Capital expenditures for the increase in service can be funded with a 90% federal match.

Section 5307 Operating (SEC. 07-OPR) - Funds allocated under this category may be used to fund up to 50 percent of the operating cost associated with the provision of public mass transportation systems in urbanized areas.

Section 5310 - Section 10 pertains to transportation facilities meeting special needs of the elderly and disabled. Funds allocated under Section 16(b)(2) provide private non-profit corporations and associations with grants and loans to improve the mobility of the elderly and disabled. In Massachusetts, 16(b)(2) funds are administered at the state level by the EOTC. These funds typically are used for the purchase of capital items, including lift-equipped vans. Mobility Assistance Program (MAP) funds are intended for use by public agencies, such as municipal councils on aging and the PVTA to provide van service to elderly and/or disabled persons.

Section 5311 - These funds are made available exclusively for public transportation projects outside the urbanized areas. Both capital and operating expenses are eligible.

Section 20 - Section 20 provides financial assistance for projects which address the human resource needs and conditions of the public transit industry. The federal share of eligible capital and project administrative expenses is not to exceed 80 percent of the net cost of the project. The federal share for state administration and technical expenses is 100 percent, not to exceed 15 percent of the state's total apportionment.

TRANSPORTATION SYSTEM OPERATING AND MAINTENANCE COSTS

The FFY 2000-2005 TIP is consistent with the Regional Transportation Plan (RTP) for the Pioneer Valley Region. Table 1 presents the estimates outlined in the RTP of annual expenditures associated with operating and maintaining the transportation system. These estimates represent past expenditures and do not reflect costs associated with maintaining a constant level of system performance.

Table 1
Transportation Operating and Maintenance Expenditures

Item	Average Annual Expenditure
Annual Highway and Bridge Maintenance	$44,200,000
Annual Transit Operating, Maintenance and Improvement	$24,100,000
Annual Transit Vehicle Replacement	$3,250,000
Total Cost	$71,550,000

Source: Regional Transportation Plan, updated 1997

II. PUBLIC PARTICIPATION SUMMARY AND CHANGES

The DRAFT FFY 2000-2005 TIP underwent a public review and comment period consistent with the Pioneer Valley Region Public Participation Process. This began April 15, 1999 and continued for 30 days until May 15, 1999. During this time, comments were received from communities, JTC, PVTA, PVPC, MHD District offices and EOTC. Below is a summary of the significant changes by year to the Draft TIP as result of the public review and comment period.

COMMENTS MADE REGARDING THE FFY 2000-2005 TIP:

Year	Location	Description	Comment	Source
2000	Amherst	Install: Signal	PROJIS PROPOSED AD DATE 11/1/99	MHD Dist2
2000	Brimfield	Improvement: Rte. 20 to Monson TL	PROJIS AD DATE: 11/1/2004.	MHD Dist2
2000	Monson	Reconstruction: Rte. 32 to State Hospital	Move to 2000	MHD Dist1
	Northampton	Rehabilitate: BR# N-19-047 over Mill River	MHD PROJIS Adv. 3/6/99	MHD Dist2
2000	Southwick	Construction: Along Penn. Central Line	PROJIS PROPOSED AD DATE 10/9/99.	MHD Dist2
2000	Westfield	Hwy & Bridge Improvement	advertise in FY2002	MHD Dist2
2004	Westhampton	Reconstruction: Rte. 66 to Stage Rd	MHD PROJIS Adv. 3/6/99	MHD Dist2
	pringfield	3 Primary Locations	City requested to remove from TIP	Springfield
	Springfield	Reconstruction: St. James Blvd.	City requested remove from TIP	Springfield
	Springfield	Reconstruction: Bradley Rd. to Allen St.	City requested delete from TIP	Springfield
	Springfield	Reconstruction: Longhill St. to Belmont Ave.	City asked to remove from TIP	Springfield
	Springfield	Reconstruction: Parker St. to Allen St.	City asked to remove from TIP	Springfield
2000	Easthampton	Reconstruction: Intersection & signalize	information update	MHD Dist2
2003	Northampton	Construct: State St. to New South St.	approved by PRC 5/25/99	MHD Dist2
2000	Chester	Replace: BR# C-11-024	Move to 2000 NFA	MHD Dist1
2000	Chicopee	Reconstruction/ replace: signals	MHD PROJIS Adv 10/3/98 AT 25%	MHD Dist2
2000	Springfield	Ramp relocation/safety improvements	7/20/99--asssigned MHD #	MHD Dist2
FE	Middlefield	Replace Bridge #B-03-036=M-19-005	ADDED FROM PROJIS	MHD Dist1
FE	Belchertown	Bridge # B-05-023	ADDED FROM PROJIS.	MHD Dist2
2000	Belchertown	Bridge # B-05-027	ADDED FROM PROJIS.	MHD Dist2
2000	Belchertown	Resurfacing, widening, & related work	ADDED FROM PROJIS	MHD Dist2
	PVTA	Replacement/Lease payments	project removed	PVTA
	PVTA	Replacement/Lease payments	project removed	PVTA
	PVTA	Replacement/Lease payments	project removed	PVTA
2000	PVTA	Lift Equipped minibuses	updated cost	PVTA
2003	PVTA	Lift Equipped minibuses	updated cost	PVTA
2002	PVTA	Lift Equipped minibuses	updated cost	PVTA
2000	PVTA	Lift Equiped Vans	updated cost	PVTA
2001	PVTA	Lift Equiped Vans	updated cost	PVTA
2002	PVTA	Lift Equiped Vans	updated cost	PVTA
	PVTA	Services & supervisory vehicles	project removed	PVTA
	PVTA	Services & supervisory vehicles	project removed	PVTA

	PVTA	Passenger Amenities	project removed	PVTA
2000	PVTA	Environmental Compliance	updated cost	PVTA
2001	PVTA	Environmental Compliance	updated cost	PVTA
2002	PVTA	Environmental Compliance	updated cost	PVTA
2000	PVTA	Small Tools & Equipment	updated cost	PVTA
	PVTA	Assoc. Bus Maintenance/Overhaul	project removed	PVTA
	PVTA	Maintenance Area Improvements	project removed	PVTA
2000	PVTA	Preventative Maintenance 7/99-6/01	changed project year and cost	PVTA
2001	PVTA	Preventative Maintenance 7/00-6/02	updated cost	PVTA
2000	PVTA	Planning	updated cost	PVTA
2002	PVTA	Planning	updated cost	PVTA
2000	PVTA	E & H Special Transit Services	updated cost	PVTA
2001	PVTA	E & H Special Transit Services	updated cost	PVTA
2000	PVTA	Fixed Route Service	updated cost	PVTA
2001	PVTA	Fixed Route Service	updated cost	PVTA
2002	PVTA	Fixed Route Service	updated cost	PVTA
2000	PVTA	Lift Equipped Vans	updated cost	PVTA
	PVTA	Lift Equipped minibuses	project removed	PVTA
	PVTA	Lift Equipped minibuses	project removed	PVTA
	PVTA	Reconstruction	project removed	PVTA
	PVTA	Transit Service	project removed	PVTA
	PVTA	Reconstruction	project removed	PVTA
2002	PVTA	Union Station Redevelopment	updated description	PVTA
2003	PVTA	Union Station Redevelopment	updated description	PVTA
	PVTA	Reconstruction	project removed	PVTA
2000	PVTA	Installment Payment COPS	new project	PVTA
2000	PVTA	Transit Enhancements	new project	PVTA
2000	PVTA	Surveilance Equipment	new project	PVTA
2000	PVTA	Hardware/Software	new project	PVTA
2000	PVTA	AVL System Integrator	new project	PVTA
2000	PVTA	ADA Assistance 7/99-6/01	new project	PVTA
2000	PVTA	Union Station Redevelopment	new project	PVTA
2003	PVTA	E & H Special Transit Services	year changed	PVTA
2004	PVTA	E & H Special Transit Services	year changed	PVTA
2005	PVTA	E & H Special Transit Services	year changed	PVTA
2003	PVTA	Fixed Route Service	year changed	PVTA
2004	PVTA	Fixed Route Service	year changed	PVTA
2005	PVTA	Fixed Route Service	year changed	PVTA
2001	PVTA	Installment Payment COPS	new project	PVTA
2003	PVTA	Union Station Redevelopment	updated description	PV
	PVTA	Reconstruction	project removed	PV
2000	PVTA	Installment Payment COPS	new project	PV

2001	PVTA	ADA Assistance 7/00-6/02	new project	PVTA
2001	PVTA	Transit Facility Improvement	new project	PVTA
2001	PVTA	Union Station redevelopment	new project	PVTA
2001	PVTA	Minute Man X via Sunderland	new project	PVTA
2002	PVTA	Supervisory Vehicles	new project	PVTA
2002	PVTA	Installment Payment COPS	new project	PVTA
2002	PVTA	Supervisory Vehicles	new project	PVTA
2002	PVTA	Transit Enhancements	new project	PVTA
2002	PVTA	Hardware/Software	new project	PVTA
2002	PVTA	AVL System Integrator	new project	PVTA
2002	PVTA	Transit Facilities Improvement	new project	PVTA
2003	PVTA	Installment Payment COPS	new project	PVTA
2003	PVTA	Lift Equipped Vans	new project	PVTA
2003	PVTA	Supervisory Vehicles	new project	PVTA
2003	PVTA	Transit Enhancements	new project	PVTA
2003	PVTA	Hardware/Software	new project	PVTA
2003	PVTA	AVL System Integrator	new project	PVTA
2003	PVTA	Environmental Compliance	new project	PVTA
2003	PVTA	Transit Facilities Improvement	new project	PVTA
2003	PVTA	Small Tools and Equipment	new project	PVTA
2003	PVTA	Preventative Maintenance 7/02-6/04	new project	PVTA
2003	PVTA	Intermodal Terminal Lease	new project	PVTA
2003	PVTA	Planning	new project	PVTA
2003	PVTA	16 Passenger Mini-bus	new project	PVTA
2003	PVTA	Rural Transit E&H	new project	PVTA
2003	PVTA	Lift Equipped Vans	new project	PVTA
2003	PVTA	Lift Equipped Mini-Buses	new project	PVTA
2003	PVTA	ADA Assistance 7/02-6/04	new project	PVTA
2004	PVTA	Replacement Transit Vehicles	new project	PVTA
2004	PVTA	Lift Equipped Vans	new project	PVTA
2004	PVTA	Supervisory Vehicles	new project	PVTA
2004	PVTA	Transit Enhancememnts	new project	PVTA
2004	PVTA	Hardware/Software	new project	PVTA
2004	PVTA	Transit facilities Improvement	new project	PVTA
2004	PVTA	Small tools and Equipment	new project	PVTA
2004	PVTA	Preventative Maintenance 7/03-6/05	new project	PVTA
2004	PVTA	Intermodal Terminal Lease	new project	PVTA
2004	PVTA	ADA Assistance 7/03-6/05	new project	PVTA
2004	PVTA	Planning	new project	PVTA
2004	PVTA	16 Passenger Mini-Bus	new project	PVTA
2004	PVTA	Rural Transit E&H	new project	PVTA
2004	PVTA	Lift Equipped Vans	new project	PVTA
2004	PVTA	Lift Equipped Mini-Buses	new project	PVTA
2005	PVTA	Replacement Transit Vehicles	new project	PVTA
2005	PVTA	Lift Equipped Vans	new project	PVTA

2005	PVTA	Supervisory Vehicles	new project	PVTA
2005	PVTA	Transit Enhancements	new project	PVTA
2005	PVTA	Hardware/Software	new project	PVTA
2005	PVTA	Transit Facility Improvement	new project	PVTA
2005	PVTA	Small Tools and Equipment	new project	PVTA
2005	PVTA	Preventive Maintenance 7/04-6/06	new project	PVTA
2005	PVTA	Intermodal Terminal Lease	new project	PVTA
2005	PVTA	ADA Assistance 7/04-6/06	new project	PVTA
2005	PVTA	Planning	new project	PVTA
2005	PVTA	16 Passenger Mini-Bus	new project	PVTA
2005	PVTA	Rural Transit E&H	new project	PVTA
2005	PVTA	Lift Equipped Vans	new project	PVTA
2005	PVTA	Lift Equipped Mini-Bus	new project	PVTA
2000	Agawam	Reconstruction: Pine St.to Westfield TL	Move to 2000	MHD
2000	Amherst	Install: Signals & reconfigure	Move to 2000	MHD
2000	Amherst	Reconstruction: Intersection/signals	Move to 2000	MHD
2000	Brimfield	Replace: BR# B-24-00 over Foskett Mill	Move to 2000	MHD
2000	Brimfield	Replace: BR# B-24-025 over Mill Brook	Move to 2000	MHD
2000	Brimfield	Improvement: Rte. 20 to Holland TL	Move to 2000	MHD
2000	Chester	Enhancement: Restoration	Move to 2000	MHD
2000	Easthampton	Replace BR# E-05-004 over Manhan River	Move to 2000	MHD
2000	Granville	Replace: BR# G-10-16 over Dickinson Brook	Move to 2000	MHD
2000	Hadley	Widen to 4 lanes: West St. to Coolidge Br.	Move to 2000	MHD
2000	Hadley/N.Hamp.	Rehabilitate: BR# H-01-012 over Conn. River	Move to 2000	MHD
2000	Longmeadow	Replace: BR# L-14-002 over Rte. I-91	Move to 2000	MHD
2000	Longmeadow/Spfld	Improvement: Lighting system & drainage	Move to 2000	MHD
2000	Monson	Rehabilitate: BR# M-27-012 over Conrail	Move to 2000	MHD
2000	Monson	Reconstruction: Rte. 32 to Margaret St.	Move to 2000	MHD
2000	Monson	Rehabilitate: Moulton Hill Rd. to Wales TL	Move to 2000	MHD
2000	Northampton	Reconstruction: Rte. 66	Move to 2000	MHD
2000	Northampton	Reconstruction: Rte. 9 to King St. (Rte. 5)	Move to 2000	MHD
2000	Northampton	Replace: BR# N-19-033 & approaches	Move to 2000	MHD
2000	Pelham	Reconstruction: W/O Rte. 202 to Amherst TL	Move to 2000	MHD
2000	Southampton	Reconstruction: Rte. 10 to Easthampton TL	Move to 2000	MHD
2000	Southampton	Reconstruction: Rte. 10 to Easthampton TL	Move to 2000	MHD
2000	Springfield	Signal Upgrades	Move to 2000	MHD
2000	Springfield	Replace: BR# S-24-069 over I-291	Move to 2000	MHD
2000	Springfield	Install: Signals	Move to 2000	MHD
2000	Springfield	Reconstruction: Bridge #S-24-090 over Conrail	Move to 2000	MHD
2000	Springfield	Construction: S.End Br. to Plainfield St.	Move to 2000	MHD
2000	Westfield	Replace: BR# W-25-003 & W-25-004	Move to 2000	MHD
2000	Westhampton	Reconstruction: Rte. 66 to Town Center	Move to 2000	MHD
2000	Wilbraham	Reconstruction/Realign: Faculty St. int.	Move to 2000	MHD
2000	Wilbraham	Improvement: Boston & Stony Hill Rd. int.	Move to 2000	MHD
2000	Wilbraham	Improvement: Cottage Ave./Boston Rd.	Move to 2000	MHD

2000	Williamsburg	Resurface: To Goshen TL	Move to 2000	MHD
2000	E. Longmeado	Replace: Dry bridge over RR	Move to 2000	MHD
2000	Belchertown	Improvement: Intersection	Move to 2000	MHD
2000	Goshen	Reconstruction: Sugar Hill Rd. Soaker Rd.	Move to 2000	MHD
2000	Brimfield	Replace: BR# B-24-018 over Conrail	Move to 2000	MHD
2000	Hadley	Resurface & 5 signal improvements	Move to 2000	MHD
2000	Chester	Replace: BR# C-11-029 over Sanderson Brook	Move to 2000	MHD
2000	Belchertown	Resurface:	Move to 2000	MHD
2000	Chicopee	Reconstruction: Fuller Rd. to Ludlow TL	Move to 2000	MHD
2000	Chester	Rehabilitation: Rte. 20 to Blandford TL	Move to 2000	MHD
	PVTA	Replacement: Buses	project removed	MHD
2000	Belchertown	Rehabilitation: over Swift River	Move to 2000	MHD
2000	Chicopee	Reconstruct 116 (Chicopee St.)	Move to 2000	MHD
2000	Hatfield	Resurface and related work	Move to 2000	MHD
2000	Palmer	Temp. shoring of BR#P-01-024B	Move to 2000	MHD
2000	South Hadley	College St, Woodbridge St.	Move to 2000	MHD
2000	Springfield	BR# S-24-49 & S-24-50 & S-24-51	Move to 2000	MHD
2000	Springfield	Replace BR#S-24-020	Move to 2000	MHD
2000	Easthampton	construct bike/ped 1100'	Move to 2000	MHD
	Hadley/N.Hamp	Rehabilitate: BR# H-01-012 over Conn. River	information update	MHD
2000	Amherst	UMass Traffic Operation Cntr.	Move to 2000	MHD
2000	Chester/Huntin	Rehabilitation: Middlefield TL to Cook Hill Rd.	Move to 2000	MHD
2000	Chester/Middlef	Enhancement: Restoration	Move to 2000	MHD
2000	Hadley	ITS mitigation implementation	Move to 2000	MHD
2000	Agawam	Rte. 57	Move to NFA	MPO
2001	Agawam/Spring	Rte. 5	Move to NFA	MPO
2003	Ludlow/Spfld.	Rte. 21 Bridge	Move to NFA	MPO
2002	Westfield	Great River BR. (Rte. 10/202)	Move to NFA	MPO

In addition to the above changes, the Pioneer Valley Transit Authority requested that the following be included: The Pioneer Valley Transit Authority, the FTA Section 5307(c) applicant, has consulted with the Pioneer Valley Planning Commission and concurs that the TIP satisfies the public hearing requirements that pertain to the development of the Program of Projects for regular Section 5307, Urbanized Area Formula Program, grant application including the provision for public notice and the time established for public review and comment.

For FTA projects that are not routine; i.e. Section 5307 applications that required environmental assessment or an environmental impact statement, the public involvement provided herein for TIP review is not sufficient. Additional public involvement will be required by FTA prior to grant approval, as presented in the joint FHWA/FTR environmental regulations, 23 CFR-Part 771.

The Federal Aid (FA) and Non-Federal Aid (NFA) elements were separated into two components. The FA component of the TIP was endorsed by the MPO and the NFA component is included in the main body of the TIP, however, is not subject to federal planning rules.

III. TRANSPORTATION PROJECT PRIORITIES

ORGANIZATION OF PROJECT LISTINGS

Each project in the TIP contains the following information:

RID Pioneer Valley Identification Number - project identification number given by the Pioneer Valley Planning Commission for each highway project and for each transit project

SID File # - project identification numbers given by the MHD for each highway project

Municipality - town or city in which a project is located

Project Name - name of road segment or project title

Description - brief description of work to be funded under the project

Federal Cost - amount of federal dollars allocated for the construction of the project

Total Cost - total amount the project is expected to cost to complete

Funding Category - abbreviation for the funding category from which funding is expected

Air Quality Status - indicates whether a project is exempt or non-exempt from the requirement that air quality analyses be conducted in accordance with the Clean Air Act Amendments

Table 2

2000 Bridge Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV8010		Amherst	Meadow St. Bridge	Reconstruction: BR# A-08-028	$210,000	$0	NFA	EX
PV9114	600617	Belchertown	Cold Spring Rd	Rehabilitation: over Swift River	$493,000	$0	NFA	
PV5015	600733	Brimfield	Monson Rd.	Replace: BR# B-24-00 over Foskett Mill	$383,000	$0	NFA	EX
PV7038	600734	Brimfield	Haynes Hill Rd. Bridge	Replace: BR# B-24-025 over Mill Brook	$388,000	$0	NFA	EX
PV4004	601624	Brimfield	Washington St. Bridge	Replace: BR# B-24-018 over Conrail	$277,000	$0	NFA	
PV8129	602080	Chester	Kinne Brook Rd.	Replace: BR# C-11-024	$621,000	$0	NFA	EX
PV9003	602189	Chester	Rte 20	Replace: BR# C-11-029 over Sanderson Brook	$400,000	$0	NFA	EX
PV5022	82611	Chicopee/Holyoke	Rte. 116	Repair: BR# C-13-012, H-21-030	$18,750,000	$0	NFA	EX
PV4006	601602	E. Longmeadow	Rte. 83	Replace: Dry bridge over RR	$1,200,000	$0	NFA	
PV5026	78405	Easthampton	Rte. 5 Bridge	Replace BR# E-05-004 over Manhan River	$800,000	$0	NFA	EX
PV8022	48941	Easthampton	Park St. Bridge	Reconstruction: BR# E-05-008 over RR tracks	$640,000	$512,000	FA	EX
PV9004	602609	Granby	Burnett Rd.	Replace: BR# G-09-001	$450,000	$360,000	FA	EX
PV7063	601285	Granville	Water St.	Replace: BR# G-10-16 over Dickinson Brook	$207,000	$0	NFA	EX
PV8034		Granville	Old Westfield Rd.	Replace: BR#šG-10-013 over Hollister Brook	$300,000	$0	NFA	EX
PV8031		Granville	Rte. 57	BR# G-10-004 over Dickinson Brook	$300,000	$0	NFA	EX
PV8030		Granville	Old Westfield Rd.	Replace: BR# G-10-003 over Tilloston Brook	$300,000	$0	NFA	EX
PV5031	600754	Hadley	Mt. Warner Rd.	Replace BR# H-01-002 over Mill River	$401,000	$320,800	FA	EX
PV5032	124911	Hadley/N.Hamp.	Calvin Coolidge Bridge	Rehabilitate: BR# H-01-012 over Conn. River	$12,432,575	$0	NFA	NON
PV5032	124911	Hadley/N.Hamp.	Calvin Coolidge Bridge	Rehabilitate: BR# H-01-012 over Conn. River	$5,156,250	$4,125,000	HP	NON
PV9006	602536	Holyoke	Lyman St.	Reconstruct: BR# H-21-16	$2,000,000	$0	NFA	EX
PV7045	600994	Longmeadow	Bark Haul Rd.	Replace: BR# L-14-002 over Rte. I-91	$800,000	$0	NFA	EX
PV5046	30512	Monson	Hovey Rd.	Rehabilitate: BR# M-27-012 over Conrail	$1,091,283	$0	NFA	EX
PV5055	602058	Northampton	Chesterfield Rd. Bridge	Replace: BR# N-19-033 & approaches	$250,000	$0	NFA	EX
PV9005	602538	Northampton	Bliss St.	Replace: BR# N-19-23 over Mill River	$1,200,000	$0	NFA	EX
PV5108	111309	Palmer	Rte. 20	Rehabilitate: Bridge over Conrail	$800,000	$640,000	FA	EX
PV8110		Southwick	Point Grove Rd.	Replace: culvert between N. Pond & Middle Pon	$300,000	$0	NFA	EX

PV7049	601493	Springfield	Armory St. Bridge	Replace: BR# S-24-069 over I-291	$665,755	$0	NFA	EX
PV5136	61405	Springfield	Roosevelt Ave.	Reconstruction: Bridge #S-24-090 over Conrail	$1,290,000	$0	NFA	EX
PV7051	600826	Westfield	Rte. 20 Bridges	Replace: BR# W-25-003 & W-25-004	$5,000,000	$0	NFA	EX
PV4027	602870	Westfield	Route 187 Traffic Improvement	Hwy & Bridge Improvement	$3,500,000	$0	NFA	
PV8130	601086	Williamsburg	Rte. 9	Replace: BR W-36-015 over Mill River	$1,000,000	$0	NFA	EX
				TOTAL:	$61,605,863	$5,957,800		

Table 3
2001 Bridge Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV5005	600586	Agawam/Springfield	Rte. 5	Rehabilitate: BR# A-05-001 over CT River	$24,000,000		NFA	EX
PV5177		Amherst	Swamp Brook Bridge	Reconstruction: BR# A-08-???? over Swamp Brook	$270,000	$216,000	FA	EX
PV4020		Chicopee	New Lombard Rd.	Replacement: BR# C-13-033	$1,000,000	$800,000	FA	EX
PV6012		Easthampton	Glendale St.	Replace BR# E-05-005 over Manhan River	$750,000	$0	NFA	EX
PV5032	124911	Hadley/N.Hamp.	Calvin Coolidge Bridg	Rehabilitate: BR# H-01-012 over Conn. River	$2,110,000	$1,688,000	HP	NON
PV5126	78702	Southwick	Routes 10/202	Resurface: Westfield CL to CT SL	$4,000,000	$0	NFA	EX
PV7048	601322	Southwick	College Hwy. bridge	Replace: BR# S-22-005 over Johnson Brook	$250,000	$0	NFA	EX
PV5135	600676	Springfield	Roosevelt Ave.	Rehabilitate: BR# S-24-091 over Conrail	$650,000	$520,000	FA	EX
PV8137		Williamsburg	Hemingway Rd.	Replace: BR# W-36-003 over Bradford Brook	$152,000	$121,600	FA	EX
				TOTAL:	$33,182,000	$3,345,600		

Table 4
2002 Bridge Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV8006		Amherst	Pelham Rd. Bridge	Replace: BR# A-08-006 over Fort River	$375,000	$0	NFA	EX
PV5032	124911	Hadley/N.Hamp.	Calvin Coolidge Bridge	Rehabilitate: BR# H-01-012 over Conn. River	$2,226,250	$1,781,000	HP	NON
PV6078	600933	Westfield	Great River BR. (Rte. 10/202)	Construction: BR# W-25-010 over Westfield Riv	$20,950,000	$0	NFA	NON
				TOTAL:	$23,551,250	$1,781,000		

Table 5
2003 Bridge Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV8009		Amherst	E. Leverett Rd. Bridge	Reconstruction: BR# A-08-020 over Cushman Bro	$280,000	$224,000	FA	EX
PV8007		Amherst	Sunderland Rd. Bridge	Replace: BR# A-08-011 over Mill River	$380,000	$304,000	FA	EX
PV5166	600737	Chester	Smith Rd.	Replace: BR# C-11-023 over Westfield River	$300,000	$240,000	FA	EX
PV5032	124911	Hadley/N.Hamp.	Calvin Coolidge Bridge	Rehabilitate: BR# H-01-012 over Conn. River	$2,226,250	$1,781,000	HP	NON
PV7042	600936	Holyoke	Lyman St. Bridge	Replace: BR# H-21-018 First Level Canal	$2,000,000	$1,600,000	FA	EX
PV7043	600935	Holyoke	Rte. 141 Bridge	Replace: BR# H-21-020 First Level Canal	$2,000,000	$1,600,000	FA	EX
PV7046	601156	Ludlow/Spfld.	Rte. 21 Bridge	Reconstruction: BR# L-16-008 over Chicopee Rive	$10,000,000	$0	NFA	NON
PV8139		Monson	Hospital Rd. Bridge	Bridge over Quaboag Stream	$682,000	$545,600	FA	EX
PV7008		Southwick	Sheep Pasture Rd.	Reconstruction: Bridge & Approaches	$160,000	$0	NFA	EX
PV7009		Southwick	N. Loomis St. (Rte. 57)	Reconstruction: Bridge & Approaches	$495,000	$0	NFA	EX
PV5152	600778	Westfield	Granville Rd.	Replace: BR# W-25-007 over Little River	$1,615,000	$1,292,000	FA	EX
				TOTAL:	$20,138,250	$7,586,600		

Table 6
2004 Bridge Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV9016		Amherst	State St. Bridge	Reonstruction: BR# A-08-029 over Cushman Broo	$330,000	$0	NFA	EX
PV9017		Amherst	Station Rd. Bridge	Reconstruction: Bridge over Hop Brook	$180,000	$0	NFA	EX
PV8045		Northampton	Pedestrian/Bicycle Bridge	Construct: Vernon St. to State Hospital site	$200,000	$160,000	FA	EX
PV5186		W. Springfield	Rte. 5 to Brush Hill Connector	Construction & Bridge Improvement: Labell	$925,000	$740,000	FA	EX
PV9013		Wilbraham	Red Bridge Rd.	Reconstruction: BR# W-35-003	$1,500,000	$1,200,000	FA	EX
				TOTAL:	$3,135,000	$2,100,000		

Table 7
2000 Enhancement Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV8005	602828	Amherst	UMASS Bikeway Connector	Construction: Near Snell St. & University Dr.	$745,000	$0	NFA	EX
PV4060	602349	Chester	Maple Street Bridge	Enhancement: Restoration	$614,288	$0	NFA	
PV4061		Chester/Middlefield	Keystone Arch Bridge	Enhancement: Restoration	$569,000	$0	NFA	
PV6014		E.Hamp./N.Hamp.	Manhan Rail Trail	Construction: 8 mile Bike Trail	$3,000,000	$0	NFA	EX
PV6090		Regionwide	Regionwide Enhancements	Regionwide Enhancements	$500,000	$400,000	FA	EX
PV6076	601296	Springfield	Connecticut Riverwalk	Construction: S.End Br. to Plainfield St.	$2,822,200	$0	NFA	
				TOTAL:	$8,250,488	$400,000		

Table 8
2001 Enhancement Projects

RID	SID	Community	Project Name	Project Description		Ttl Cost	Fed Cost	Funding	AQ
PV5115		Regionwide	Regionwide Enhancements	Regionwide Enhancements		$500,000	$400,000	FA	EX
					TOTAL:	$500,000	$400,000		

Table 9
2002 Enhancement Projects

RID	SID	Community	Project Name	Project Description		Ttl Cost	Fed Cost	Funding	AQ
PV5116		Regionwide	Regionwide Enhancements	Regionwide Enhancements		$800,000	$640,000	NFA	EX
					TOTAL:	$800,000	$640,000		

Table 10
2003 Enhancement Projects

RID	SID	Community	Project Name	Project Description		Ttl Cost	Fed Cost	Funding	AQ
PV5117		Regionwide	Regionwide Enhancements	Regionwide Enhancements		$1,800,000	$1,440,000	FA	EX
					TOTAL:	$1,800,000	$1,440,000		

Table 11
2004 Enhancement Projects

RID	SID	Community	Project Name	Project Description		Ttl Cost	Fed Cost	Funding	AQ
PV5118		Regionwide	Regionwide Enhancements	Regionwide Enhancements		$2,160,355	$1,728,284	FA	EX
					TOTAL:	$2,160,355	$1,728,284		

Table 12

2000-05 Future Year Enhancement Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	Year	AQ
PV6090		Regionwide	Regionwide Enhancements	Regionwide Enhancements	$500,000	$400,000	FA	2000	EX
PV5115		Regionwide	Regionwide Enhancements	Regionwide Enhancements	$500,000	$400,000	FA	2001	EX
PV5116		Regionwide	Regionwide Enhancements	Regionwide Enhancements	$800,000	$640,000	FA	2002	EX
PV5117		Regionwide	Regionwide Enhancements	Regionwide Enhancements	$1,800,000	$1,440,000	FA	2003	EX
PV5118		Regionwide	Regionwide Enhancements	Regionwide Enhancements	$2,160,355	$1,728,284	FA	2004	EX
				TOTAL:	$5,760,355	$4,608,284			

Table 13

2000 Highway Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV5003	115300	Agawam	Rte. 57	Construction: Rte. 187 to Southwick	$28,000,000	$22,400,000	MEGA	NON
PV5002	600513	Agawam	N. Westfield St. (Rte. 187)	Reconstruction: Pine St.to Westfield TL	$3,500,000	$0	NFA	EX
PV7001	601296	Agawam	Connecticut Riverwalk	Construction: Agawam	$928,669	$0	NFA	EX
PV4016	602601	Agawam	Reconstruct River Road	School St. north to State Highway	$300,000	$0	NFA	
PV4017	602653	Agawam	Route 159 (Main Street)	Resurface and Related Work	$1,200,000	$0	NFA	
PV4018	600937	Agawam	Rte. 5 Agawam/W. Spfld	Resurface from South End Bridge to Elm	$2,000,000	$0	NFA	
PV5173	601566	Amherst	Rte. 9 @ S. Pleasant St.,	Revise: Signals, land acq., left turn lane	$575,000	$0	NFA	EX
PV5007		Amherst	University Dr.	Widen: Add left turn lane @ 6 locations	$500,000	$400,000	FA	EX
PV5008	602121	Amherst	Rte. 9 @ Old Farm Rd.	Install: Signals & reconfigure	$150,000	$0	NFA	EX
PV6001	601661	Amherst	Main St. & N. Pleasant St.	Reconstruction: Intersection/signals	$210,000	$0	NFA	EX
PV7067	602110	Amherst	Rte. 116, Pomeroy La.	Install: Signal	$250,000	$0	NFA	EX
PV8003		Amherst	Bridge St. & Pine St.	Improvement, Install: signal	$330,000	$0	NFA	EX
PV8014		Amherst	North East St./Henry St.	Reconstruction & Relocation	$1,400,000	$0	NFA	EX
PV8001		Amherst	E. Pleasant St./Strong St.	Relocate: Clark Hill Rd. & Install: Signal	$380,000	$0	NFA	EX
PV7066		Amherst	Sunderland /Montague Rds.	Relocate: Intersection	$575,000	$460,000	FA	EX
PV4029	601904	Belchertown	Rte. 9	Resurface	$2,458,289	$0	NFA	

PV4032	602419	Belchertown	Route 202	Resurfacing, widening and related work	$2,000,000	$0	NFA	
PV8019	602075	Belchertown	Main/Jabish/Maple Sts.	Improvement: Intersection	$125,000	$0	NFA	EX
PV7036	602367	Brimfield	Holland E. Brimfield Rd.	Improvement: Rte. 20 to Monson TL	$1,100,000	$880,000	FA	EX
PV7037	601809	Brimfield	Monson Rd.	Improvement: Rte. 20 to Holland TL	$493,481	$0	NFA	EX
PV6006	601327	Chester	Blandford Rd.	Rehabilitation: Rte. 20 to Blandford TL	$1,200,000	$0	NFA	EX
PV8136	601482	Chester/Becket	Rte. 20	Resurface: Becket TL to Baystate Rd.	$1,379,370	$0	NFA	EX
PV8134	602314	Chester/Huntington	Rte. 20	Resurface: Baystate Rd. to Russell TL	$3,500,000	$0	NFA	EX
PV6032	602231	Chester/Huntington	Skyline Trail	Rehabilitation: Middlefield TL to Cook Hill Rd.	$2,000,000	$0	NFA	EX
PV9019	602126	Chesterfield	Sugar Hill/Old Chesterfield Rds.	Reconstruction: Rte. 143 to Goshen TL	$750,000	$0	NFA	EX
Pv4005	601179	Chicopee	Route 116	Reconstruct 116 (Chicopee Street)	$3,455,858	$0	NFA	
PV7067	601501	Chicopee	Grattan St.	Reconstruction: I-91 off ramp to Montgomery	$4,000,000	$0	NFA	EX
PV8020	602111	Chicopee	Front St.	Reconstruction/ replace: signals	$4,000,000	$0	NFA	EX
PV5019	128920	Chicopee	Shawinigan Dr.	Reconstruction: Fuller Rd. to Ludlow TL	$3,200,000	$0	NFA	EX
PV6011	601350	E. Longmeadow	Elm St. (Rt 21)	Reconstruction: Springfield CL to Center Sq.	$1,900,000	$0	NFA	EX
PV4006	601602	E. Longmeadow	Rte. 83	Replace: Dry bridge over RR	$1,200,000	$0	NFA	
PV6014		E. Hamp/N. Hamp	Manhan Rail Trail	Construction: 8 mile bike trail	$3,000,000	$0	NFA	
PV4001		Easthampton	Manhan Rail Trail	construct bike/ped 1100'	$255,000	$0	NFA	
PV8026	602485	Easthampton	Union St./Main St.	Reconstruction: Intersection & signalize	$225,000	$0	NFA	EX
PV8025		Easthampton	Union St./Cottage St.	Reconstruction: intersection & signalize	$160,000	$0	NFA	EX
PV8021		Easthampton	West St./Rte. 10	Reconstruction: intersection and signalization	$200,000	$0	NFA	EX
PV8128	601537	Goshen	S. Chesterfield Rd.	Reconstruction: Sugar Hill Rd. Soaker Rd.	$2,000,000	$0	NFA	EX
PV8037		Granville	Rte. 57	Resurface: 9 miles	$750,000	$0	NFA	EX
PV4008	601173	Hadley	Bay Road	Amherst T.L. to E. Hadley Rd	$556,278	$0	NFA	
PV5030	600302	Hadley	Rte. 9 (Russell Street)	Widen to 4 lanes: West St. to Coolidge Br.	$2,200,000	$0	NFA	NON
PV4007	601674	Hadley	Rte. 9 Mt. Farms to University D	Resurface & 5 signal improvements	$775,000	$0	NFA	
PV4062		Hadley	Rte. 9 (Russell Street) ITS	ITS mitigation implementation	$1,500,000	$0	NFA	NON
PV4009	602069	Hatfield	Route 5/10	Resurface and Related Work	$2,200,000	$0	NFA	
PV5037	600583	Longmeadow/Spfld	I-91	Improvement: Lighting system & drainage	$1,500,000	$0	NFA	EX
PV6037	601171	Monson	Thompson St.	Reconstruction: Rte. 32 to Margaret St.	$475,000	$0	NFA	EX
PV6033	601728	Monson	Wales Rd.	Rehabilitate: Moulton Hill Rd. to Wales TL	$364,624	$0	NFA	EX
PV6034	602076	Monson	Hospital Rd.	Reconstruction: Rte. 32 to State Hospital	$585,000	$468,000	FA	EX
PV4015		N. Hamp/ E. Hamp	Manhan/Norwottuck Rail Trail	Construct connections in 5 Towns	$3,750,000	$0	NFA	

PV5168	119005	Northampton	Rte. 66	Reconstruction: Rte. 66	$8,834,237	$0	NFA	EX
PV5053	180525	Northampton	Damon Rd.	Reconstruction: Rte. 9 to King St. (Rte. 5)	$1,200,000	$0	NFA	EX
PV8102		Palmer	Shearer's Corner Intersection	Improvement: Rte. 20, Rte. 181 & Shearer	$500,000	$0	NFA	EX
PV5111	601154	Pelham	Amherst Rd.	Reconstruction: W/O Rte. 202 to Amherst TL	$2,052,000	$0	NFA	EX
PV7012		Pelham	Harkness Rd.	Reconstruction: Amherst Rd. to Rte. 9	$1,000,000	$0	NFA	EX
PV4012	601584	South Hadley	Reconstruct Rte. 116	College St./Woodbridge St.	$1,400,000	$0	NFA	
PV8106		South Hadley	Laythrop/Alvord/Brainard Sts.	Reconstruction	$5,000,000	$0	NFA	EX
PV5120	601174	Southampton	Pomeroy Meadow Rd.	Reconstruction: Rte. 10 to Easthampton TL	$2,052,250	$0	NFA	EX
PV5122	601808	Southampton	Glendale Rd.	Reconstruction: Rte. 10 to Easthampton TL	$1,500,000	$0	NFA	EX
PV5123		Southampton	East St.	Reconstruction: Rte. 10 to Holyoke TL	$800,000	$0	NFA	EX
PV7010	602844	Southwick	Bikepath	Construction: Along Penn. Central Line	$932,500	$0	NFA	EX
PV8138	601403	Springfield	Dwight, Chestnut, Columbus	Signal Upgrades	$634,262	$0	NFA	EX
PV7063		Springfield	Page Blvd/Robin/Cadwell	Install: Signals	$750,000	$0	NFA	NON
PV8115	601874	Springfield	Parker St.	Reconstruction: Boston Rd. to Cooley St.	$1,094,644	$0	NFA	EX
PV6076	601296	Springfield	Connecticut Riverwalk	Construction: S. End Br. To Plainfield St.	$2,822,200	$0	NFA	
PV9014	602965	Springfield	I-91/I-291 Interchange	Ramp relocation/safety improvements	$12,000,000	$9,600,000	NFA Bond	
PV5144		W. Springfield	Morgan Rd.	Construction: Prospect Ave. to Amostown R	$825,000	$0	NFA	EX
PV6083		Westfield	Rte. 10/202 CBD Traffic Improvements	Elm Street	$1,000,000	$0	NFA	EX
PV6082		Westfield	Main St(Rte. 20)Prk Sq Hwy Imp.	Main St., Broad St, Prk Sqr and Sth Broad S	$2,400,000	$0	NFA	EX
PV5155	601175	Westhampton	South Rd.	Reconstruction: Rte. 66 to Town Center	$1,300,000	$0	NFA	EX
PV5158	601170	Wilbraham	Faculty & Springfield Sts.	Reconstruction/Realign: Faculty St. int.	$1,845,981	$0	NFA	EX
PV8122	601329	Wilbraham	Rte. 20	Improvement: Boston & Stony Hill Rd. int.	$250,000	$0	NFA	EX
PV6086		Wilbraham	Cottage Ave. Intersection	Improvement: Cottage Ave./Boston Rd.	$150,000	$0	NFA	EX
PV6088		Wilbraham	Maple/Main St. Intersection	Reconstruction: Boston Rd./Maple/Main St.	$800,000	$0	NFA	EX
PV5165	600727	Williamsburg	Ashfield Rd./North St.	Reconstruction: Main St. to Conway TL	$5,000,000	$0	NFA	EX
PV8132	602096	Williamsburg	Rte. 9	Resurface: To Goshen TL	$2,200,000	$0	NFA	EX

TOTAL: $151,899,643 $34,208,000

Table 14
2001Highway Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV5004		Agawam	Suffield St. (Rte. 75)	Reconstruction: Rte.147 to Rte. 57	$1,800,000	$1,440,000	FA	EX
PV5174		Amherst	Rte. 116, Bay Rd.	Reconstruction: Intersection	$980,000	$784,000	FA	EX
PV8015		Amherst	E. Pleasant St./Pine St.	Install: signal	$450,000	$360,000	FA	EX
PV5009		Amherst	E. Leverett Rd.	Reconstruction	$210,000	$0	NFA	EX
PV8135		Goshen	Route 9	Resurface: Rte. 112 to Williamsburg TL	$1,345,000	$0	NFA	EX
PV8038		Granville	Wildcat Rd.	Reconstruction: Old Westfield Rd. to Gorge Rd.	$500,000	$0	NFA	EX
PV6028		Holyoke	Linden St.	Improvements: 5 intersections	$400,000	$0	NFA	EX
PV6026		Holyoke	Pleasant St.	Reconstruction: Cabot St. to Rte. 5	$1,500,000	$0	NFA	EX
PV6026		Holyoke	Pleasant St.	Reconstruction: Cabot St. to Rte. 5	$930,000	$744,000	HP	EX
PV6038	601502	Monson	Lower Hampden Rd.	Reconstruction: Hampden TL to Elm St.	$4,000,000	$0	NFA	EX
PV7011	601504	Palmer	Rte. 32	Reconstruction: Stimpson St. to Ware TL	$4,000,000	$0	NFA	EX
PV5127		Southwick	Depot St.	Reconstruct: Intersect w/Sheep Pstr Rd.	$45,000	$36,000	FA	EX
PV7007		Southwick	Rte. 168 (Congamond Rd.)	Resurface: College HWY to CT SL	$400,000	$320,000	FA	EX
PV5157		Westhampton	Reservoir Rd.	Reconstruction: To Pine Island Lake	$1,360,000	$0	NFA	EX
PV8124		Wilbraham	Stony Hill Rd.	Reconstruction/Realign: River Rd. int.	$70,000	$0	NFA	EX
PV8138		Williamsburg	Geer Hill Rd.	Replace: BR# W-36-029 over Meekin Brook	$340,000	$0	NFA	EX
				TOTAL:	$18,330,000	$3,684,000		

Table 15

2002 Highway Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV5010	82250	Amherst	Rte. 116	Relocation: 5300ft. north from S. Hadley TL	$1,100,000	$880,000	FA	EX
PV9007	600310	Cummington	Rte. 112	Rehabilitation: Worthington TL north 1.5 miles	$400,000	$320,000	FA	EX
PV7003		E. Longmeadow	Mapleshade Ave.	Reconstruction: Pleasant St. to N. Main St.	$1,500,000	$1,200,000	FA	EX
PV8023		Easthampton	O'Neill St./Northampton St.	Reconstruction: Intersection	$250,000	$0	NFA	EX
PV8027		Easthampton	Loudville Rd./Torrey St.	Reconstruction: Intersection & signalization	$300,000	$0	NFA	EX
PV8028		Easthampton	West St./Glendale St.	Reconstruction: Intersection & signalization	$300,000	$0	NFA	EX
PV8036		Granville	Old Westfield Rd.	Resurface: 3.61 miles	$350,000	$0	NFA	EX
PV8039		Hadley	River Dr./Middle St.	Reconstruction: Western portion (3.3 mi.)	$1,300,000	$0	NFA	EX
PV6026		Holyoke	Pleasant St.	Reconstruction: Cabot St. to Rte. 5	$285,000	$228,000	HP	EX
PV9023		Northampton	Bridge Rd. & N. Maple St.	Improvement: signalization	$175,000	$140,000	FA	EX
PV8103	602488	Palmer	Stimpson St.	Reconstruction: Rte. 32 to Gates St. @ River St.	$1,500,000	$0	NFA	EX
PV7006		Southwick	Rte. 57 West	Resurface: Granville Rd. to SL	$650,000	$0	NFA	EX
PV5147		W. Springfield	Lower Memorial Ave.	Install: Signals Main St. and Union St.	$65,000	$0	NFA	EX
PV5156	602387	Westhampton	Chesterfield Rd.	Reconstruction: Northampton TL to Chesterfield TL	$2,400,000	$0	NFA	EX
PV8131	602312	Worthington	Rte. 112	Resurface: Huntington Tl to Bridge	$3,000,000	$2,400,000	FA	EX
				TOTAL:	$13,575,000	$5,168,000		

Table 16

2003 Highway Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV8002		Amherst	E. Pleasant St & Eastman La.	Install: Signal/culvert	$490,000	$392,000	FA	EX
PV5014		Belchertown	N. Washington St./Liberty Sts.	Reconstruction: S. Main St. to Three Rivers TL	$1,600,000	$0	NFA	EX
PV6010	601351	E. Longmeadow	Allen St.	Reconstruction & Widen	$400,000	$320,000	FA	EX
PV9020		Hadley	S. Maple St.	Reconstruction: South of Rte. 9 to Bay Rd.	$1,300,000	$1,040,000	FA	EX
PV5035	602420	Holyoke	Commercial St.	Reconstruction: I-391 to Appleton St.	$1,900,000	$1,520,000	FA	NON
PV9021		Holyoke	Homestead Ave. & Westfield R	Improvement: Intersection & signals	$400,000	$0	NFA	EX
PV6026		Holyoke	Pleasant St.	Reconstruction: Cabot St. to Rte. 5	$285,000	$228,000	HP	EX
PV5052		Northampton	Spring St.	Reconstruction: Entire roadway	$1,500,000	$0	NFA	EX
PV5057		Northampton	Ryan Rd.	Reconstruction: W. Farms Rd. to Brookside Circle	$1,100,000	$880,000	FA	EX
PV9024		Southwick	Congamond Rd. (Rte. 168)	Replace: Culvert between S. Pond & Middle Pond	$250,000	$200,000	FA	EX
PV5141	601487	W. Springfield	Elm St.	Reconstruction: Kings Highway Int.	$325,000	$260,000	FA	EX
PV5146		W. Springfield	Rte. 147	Reconstruction: Agawam Br. to Memorial Br.	$2,500,000	$0	NFA	EX
PV6081		Westfield	Mill St. Roadway Rehabilitation	Mill St.	$500,000	$400,000	FA	EX
				TOTAL:	$12,550,000	$5,240,000		

Table 17

2004 Highway Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV9028		Amherst	E. Pleasant St. sidewalk	Construct: Sidewalk 7000 l.f.	$95,000	$76,000	FA	EX
PV5012		Belchertown	N. Main St.	Reconstruction: Main St. to Rte. 202	$180,580	$144,464	FA	EX
PV9018		Belchertown	Bay Rd.	Reconstruction: Rte. 9 to Amherst TL	$302,407	$ 0	NFA	EX
PV6005		Brimfield	Brookfield Rd.	Reconstruction: Brookfield Rd. (3.5 mi.)	$3,500,000	$ 0	NFA	EX
PV5020		Chicopee	Buckley Blvd/Prospect St.	Reconstruction: Buckley Blvd/Prospect St.	$2,200,000	$ 0	NFA	EX
PV7002		E. Longmeadow	Westwood Ave.	Reconstruction: Maple St. to N. Main St.	$1,600,000	$1,280,000	FA	EX
PV8024		Easthampton	Main St./South St.	Reconstruction: Intersection & signalize	$250,000	$200,000	FA	EX
PV6027		Holyoke	Intersections	Improvements: Maple St. to Main St.	$600,000	$480,000	FA	EX
PV7004		Holyoke	Cabot St.	Reconstruction: Main St. to S. Canal St.	$320,000	$256,000	FA	EX
PV8041		Holyoke	Northampton St.	Rehabilitation	$2,000,000	$ 0	NFA	EX
PV5051		Northampton	Rte. 66 Connector	Construction: Old South St. to Rte. 66	$1,500,000	$1,200,000	FA	NON
PV5050		Northampton	Burts Pit Rd.	Reconstruction: Rte. 66 to Florence Rd.	$1,340,000	$ 0	NFA	EX
PV5056		Northampton	Glendale Rd.	Reconstruction: Rte. 66 to Easthampton TL	$1,000,000	$800,000	FA	EX
PV9008		Northampton	Rte. 9 & Bridge Rd.	Improvement: Intersection	$750,000	$600,000	FA	EX
PV5110		Palmer	Main St./S. Main St.	Reconstruction: Squire St. to Rte. 32	$1,000,000	$ 0	NFA	EX
PV4021		Palmer	Springfield St.	Reconst: Wibraham TL to Main St.	$1,000,000	$800,000	FA	
PV9009		Palmer	Thorndike St. (Rte. 32)	Construct: Climb lane frm Park St. to Pike	$1,000,000	$800,000	FA	
PV5121		Southampton	Coldspring Rd.	Reconstruction: Westhampton TL to Glendale Rd.	$660,000	$ 0	NFA	EX
PV8108		Southampton	Rte. 10 and East St.	Reconstruction & Signalize	$275,000	$220,000	FA	EX
PV8111		Southwick	Rte. 57	Reconstructlon: Rte. 10/202 east 12,000	$310,000	$248,000	FA	EX
PV9010		Springfield	Abbott St./Sumner Ave.	Improvement: Signal upgrade	$300,000	$240,000	FA	EX
PV4022		Springfield	Central St./Hancock St.	Reconstruction: intersection	$200,000	$160,000	FA	EX
PV5140	601487	W. Springfield	Memorial Ave.	Construction: Super-elevated curve	$325,000	$ 0	NFA	EX
PV5145		W. Springfield	S. Boulevard	Reconstruction: Park St. to Westfield St.	$175,000	$140,000	FA	EX
PV5172		W. Springfield	Westfield St. (Rte. 20)	Rehabilitation: Signals at Second & Chestnut Sts.	$325,000	$ 0	NFA	EX
PV5184		W. Springfield	Westfield St. (Rte. 20)	Reconstruction: Second St. to Sibley Ave.	$3,000,000	$ 0	NFA	EX

PV5185		W. Springfield	Memorial Bridge Rotary	Memorial Bridge Rotary over Rte. 5 end		$5,000,000	$ 0	NFA	EX
PV9012	602386	Westhampton	Southampton Rd.	Reconstruction: Rte. 66 to Stage Rd		$1,400,000	$1,120,000	FA	EX
PV6084		Wilbraham	Soule Rd./Main St.	Improvement: Soule Rd./Main St. int.		$250,000	$200,000	FA	EX
					TOTAL:	$30,857,987	$8,964,464		

Table 18

2000 Transit Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV9083		PVTA	Capital Purchase	16 Passenger Minibus	$300,000	$240,000	5311	
PV4050		PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307	
PV4051		PVTA	Capital Purchase	Hardware/Software	$125,000	$100,000	5307	
PV4052		PVTA	Capital Purchase	AVL System Integrator	$625,000	$500,000	5307	
PV4055		PVTA	Facility Improvement	Transit Facility Improvement	$62,500	$50,000	5307	
PV9089		PVTA	Facility Improvements	Environmental Compliance	$250,000	$200,000	5307	
PV4053		PVTA	Intermodal Center	Union Station redevelopment	$8,050,000	$6,440,000	HP	
PV9090		PVTA	Maintenance Items	Small Tools & Equipment	$125,000	$100,000	5307	
PV9091		PVTA	Maintenance Items	Preventative Maintenance 7/00-6/02	$750,000	$600,000	5307	
PV9082		PVTA	Mini-buses	Lift Equipped minibuses	$300,000	$240,000	5310	
PV9084		PVTA	Operating Assistance	Rural Transit E & H	$127,000	$ 0	5311	
PV9094		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$ 0	5307	
PV9095		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$ 0	5307	
PV4057		PVTA	Operating Assistance	Minute Man X via Sunderland	$231,000	$184,800	CMAQ	
PV9093		PVTA	Planning	Planning	$300,000	$240,000	5307	
PV4049		PVTA	Rolling Stock	Installment Payment COPS	$2,400,000	$1,920,000	5307	
PV4054		PVTA	Service Improvement	ADA Assistance 7/00-6/02	$375,000	$300,000	5307	
PV9092		PVTA	Service Improvements	Intermodal Terminal Lease	$45,000	$36,000	5307	
PV9086		PVTA	Vans	Lift Equiped Vans	$500,000	$400,000	5307	
PV9081		PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310	
				TOTAL:	$39,798,033	$11,900,800		

Table 19
2001Transit Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV9083		PVTA	Capital Purchase	16 Passenger Minibus	$300,000	$240,000	5311	
PV4050		PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307	
PV4051		PVTA	Capital Purchase	Hardware/Software	$125,000	$100,000	5307	
PV4052		PVTA	Capital Purchase	AVL System Integrator	$625,000	$500,000	5307	
PV4055		PVTA	Facility Improvement	Transit Facility Improvement	$62,500	$50,000	5307	
PV9089		PVTA	Facility Improvements	Environmental Compliance	$250,000	$200,000	5307	
PV4053		PVTA	Intermodal Center	Union Station redevelopment	$8,050,000	$6,440,000	HP	
PV9090		PVTA	Maintenance Items	Small Tools & Equipment	$125,000	$100,000	5307	
PV9091		PVTA	Maintenance Items	Preventative Maintenance 7/00-6/02	$750,000	$600,000	5307	
PV9082		PVTA	Mini-buses	Lift Equipped minibuses	$300,000	$240,000	5310	
PV9084		PVTA	Operating Assistance	Rural Transit E & H	$127,000	$ 0	5311	
PV9094		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$ 0	5307	
PV9095		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$ 0	5307	
PV4057		PVTA	Operating Assistance	Minute Man X via Sunderland	$231,000	$184,800	CMAQ	
PV9093		PVTA	Planning	Planning	$300,000	$240,000	5307	
PV4049		PVTA	Rolling Stock	Installment Payment COPS	$2,400,000	$1,920,000	5307	
PV4054		PVTA	Service Improvement	ADA Assistance 7/00-6/02	$375,000	$300,000	5307	
PV9092		PVTA	Service Improvements	Intermodal Terminal Lease	$45,000	$36,000	5307	
PV9086		PVTA	Vans	Lift Equiped Vans	$500,000	$400,000	5307	
PV9081		PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310	
				TOTAL:	$39,798,033	$11,900,800		

Table 20
2002 Transit Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV9099		PVTA	Capital Purchase	16 Passenger Minibus	$300,000	$240,000	5311	
PV4058		PVTA	Capital Purchase	Supervisory Vehicles	$125,000	$100,000	5307	
PV4079		PVTA	Capital Purchase	Supervisory Vehicles	$125,000	$100,000	5307	
PV4080		PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307	
PV4065		PVTA	Capital Purchase	Hardware/Software	$125,000	$100,000	5307	
PV4066		PVTA	Capital Purchase	AVL System Integrator	$625,000	$500,000	5307	
PV4067		PVTA	Facility Improvement	Transit Facilities Improvement	$62,500	$50,000	5307	
PV9105		PVTA	Facility Improvements	Environmental Compliance	$250,000	$200,000	5307	
PV4068		PVTA	Maintenance Items	Small Tools and Equipment	$125,000	$100,000	5307	
PV4069		PVTA	Maintenance items	Preventative Maintenance 7/01-6/03	$750,000	$600,000	5307	
PV9096		PVTA	Mini-buses	Lift Equipped minibuses	$300,000	$240,000	5310	
PV9100		PVTA	Operating Assistance	Rural Transit E & H	$127,000	$0	5311	
PV9110		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$0	5307	
PV9111		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$0	5307	
PV4078		PVTA	Operating Assistance	Minute Man X via Sunderland	$231,000	$0	CMAQ	
PV9109		PVTA	Planning	Planning	$300,000	$240,000	5307	
PV4034		PVTA	Rolling Stock	Installment Payment COPS	$2,400,000	$1,920,000	5307	
PV4077		PVTA	Service Improvement	ADA Assistance 7/01-6/03	$375,000	$300,000	5307	
PV9108		PVTA	Service Improvements	Intermodal Terminal Lease	$45,000	$36,000	5307	
PV9054		PVTA	Union Station	Union Station Redevelopment	$2,850,000	$2,280,000	HP	
PV9102		PVTA	Vans	Lift Equiped Vans	$500,000	$400,000	5307	
PV9097		PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310	
				TOTAL:	$34,848,033	$7,756,000		

Table 21
2003 Transit Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV4083		PVTA	Capital Purchase	Supervisory Vehicles	$125,000	$100,000	5307	
PV4084		PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307	
PV4085		PVTA	Capital Purchase	Hardware/Software	$125,000	$100,000	5307	
PV4086		PVTA	Capital Purchase	AVL System Integrator	$625,000	$500,000	5307	
PV4093		PVTA	Capital Purchase	16 Passenger Mini-bus	$300,000	$240,000	5311	
PV4087		PVTA	Facility Improvement	Environmental Compliance	$250,000	$200,000	5307	
PV4088		PVTA	Facility Improvement	Transit Facilities Improvement	$62,500	$50,000	5307	
PV9054		PVTA	Intermodal Center	Union Station Redevelopment	$2,850,000	$2,280,000	HP	
PV4089		PVTA	Maintenence Items	Small Tools and Equipment	$125,000	$100,000	5307	
PV9080		PVTA	Mini-buses	Lift Equipped minibuses	$300,000	$240,000	5310	
PV4096		PVTA	Mini-Busses	Lift Equipped Mini-Buses	$300,000	$240,000	5310	
PV9110		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$ 0	5307	
PV9111		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$ 0	5307	
PV4094		PVTA	Operating Assistance	Rural Transit E&H	$127,000	$ 0	5311	
PV4092		PVTA	Planning	Planning	$300,000	$240,000	5307	
PV4081		PVTA	Rolling Stock	Installment Payment COPS	$2,400,000	$1,920,000	5307	
PV4090		PVTA	Service Improvement	Preventative Maintenance 7/02-6/04	$750,000	$600,000	5307	
PV4091		PVTA	Service Improvement	Intermodal Terminal Lease	$45,000	$36,000	5307	
PV4097		PVTA	Service Improvement	ADA Assistance 7/02-6/04	$375,000	$300,000	5307	
PV4082		PVTA	Vans	Lift Equipped Vans	$500,000	$400,000	5307	
PV4095		PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310	
				TOTAL:	$34,792,033	$7,896,000		

Table 22
2004 Transit Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV9110		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$0	5307	
PV9111		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$0	5307	
PV4098		PVTA	Rolling Stock	Replacement Transit Vehicles	$4,625,000	$3,700,000	5307	
PV4099		PVTA	Vans	Lift Equipped Vans	$500,000	$400,000	5307	
PV4100		PVTA	Capital Purchases	Supervisory Vehicles	$125,000	$100,000	5307	
PV4101		PVTA	Capital Purchases	Transit Enhancememnts	$187,500	$150,000	5307	
PV4102		PVTA	Capital Purchases	Hardware/Software	$125,000	$100,000	5307	
PV4103		PVTA	Facility Improvement	Transit facilities Improvement	$62,500	$50,000	5307	
PV4104		PVTA	Maintenance Items	Small tools and Equipment	$125,000	$100,000	5307	
PV4105		PVTA	Maintenance items	Preventative Maintenance 7/03-6/05	$750,000	$600,000	5307	
PV4106		PVTA	Service Improvement	Intermodal Terminal Lease	$45,000	$36,000	5307	
PV4107		PVTA	Service Improvement	ADA Assistance 7/03-6/05	$375,000	$300,000	5307	
PV4108		PVTA	Planning	Planning	$300,000	$240,000	5307	
PV4109		PVTA	Capital Purchase	16 Passenger Mini-Bus	$300,000	$240,000	5311	
PV4110		PVTA	Operating Assistance	Rural Transit E&H	$127,000	$0	5311	
PV4111		PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310	
PV4112		PVTA	Mini-Buses	Lift Equipped Mini-Buses	$300,000	$240,000	5310	
				TOTAL:	$32,992,033	$6,456,000		

Table 23

2005 Transit Project Listing

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding AQ
PV4124		PVTA	Capital Purchase	16 Passenger Mini-Bus	$300,000	$240,000	5311
PV4126		PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310
PV4127		PVTA	Mini-Buses	Lift Equipped Mini-Bus	$300,000	$240,000	5310
PV4113		PVTA	Rolling Stock	Replacement Transit Vehicles	$4,625,000	$3,700,000	5307
PV4114		PVTA	Vans	Lift Equipped Vans	$500,000	$400,000	5307
PV4115		PVTA	Capital Purchase	Supervisory Vehicles	$125,000	$100,000	5307
PV4116		PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307
PV4117		PVTA	Capital Purchase	Hardware/Software	$125,000	$100,000	5307
PV4118		PVTA	Facility Improvement	Transit Facility Improvement	$125,000	$100,000	5307
PV4119		PVTA	Maintenance Items	Small Tools and Equipment	$125,000	$100,000	5307
PV4120		PVTA	Maintenance Items	Preventive Maintenance 7/04-6/06	$750,000	$600,000	5307
PV4121		PVTA	Service Improvement	Intermodal Terminal Lease	$45,000	$36,000	5307
PV4122		PVTA	Service Improvement	ADA Assistance 7/04-6/06	$375,000	$300,000	5307
PV4123		PVTA	Planning	Planning	$300,000	$240,000	5307
				TOTAL:	$8,132,500	$6,506,000	

IV. FEDERAL COMPONENT

PIONEER VALLEY MPO ENDORSEMENT

PIONEER VALLEY MPO ENDORSEMENT SHEET

The signatures below signify that all members of the Pioneer Valley Metropolitan Planning Organization or their designees have met on September 1, 1999 and discussed the following item for endorsement: The Pioneer Valley FY 2000-2005 Transportation Improvement Program (TIP).

Furthermore, in accordance with Section 176(c)(4) of the Clean Air Act as amended in 1990, the Pioneer Valley MPO has completed its review and hereby certifies that the FFY 2000-2005 Transportation Improvement Program has been developed from a conforming Transportation Plan and therefore conforms with 40 CFR parts 51 and 93 issued on November 24, 1993, and 310 CMR 60.03, issued on December 30, 1994.

This amendment to the 2000-2005 TIP consists of projects that are either:

a. exempt from an air quality conformity determination as specified in 40 CFR Parts 51 and 93; or
b. have been previously analyzed in the region's conforming transportation plan.

There are no regionally significant, non-exempt projects being added or deleted. This TIP amendment does not reprogram existing regionally significant, non-exempt projects across the year 2003.

Executive Office of Transportation and Construction

I, Secretary of the Executive Office of Transportation and Construction, hereby

☑ Endorse ☐ Do Not Endorse the above referenced item.

Kevin J. Sullivan — Date
Secretary - EOTC

Massachusetts Highway Department

I, Commissioner of the Massachusetts Highway Department, hereby

☑ Endorse ☐ Do Not Endorse the above referenced item.

Matthew J. Amorello — 9/1/99
Commissioner - MHD

Pioneer Valley Planning Commission

I, Chair of the Pioneer Valley Planning Commission, hereby

☑ Endorse ☐ Do Not Endorse the above referenced item.

William E. Dwyer, Esq. — 9/1/99
Chair - PVPC

Pioneer Valley Transit Authority

I, Chair of the Pioneer Valley Transit Authority, hereby

☐ Endorse ☐ Do Not Endorse the above referenced item.

Arthur Swift — Date
Chair - PVTA

City of Springfield

I, Mayor of the City of Springfield, hereby

☑ Endorse ☐ Do Not Endorse the above referenced item.

Michael J. Albano — Date
Mayor-Springfield

City of Easthampton

I, Mayor of the City of Easthampton, hereby

☑ Endorse ☐ Do Not Endorse the above referenced item.

Michael A. Tauznik — Date
Mayor-Easthampton

Town of South Hadley

I, Board of Selectmen member of the town of South Hadley, hereby

☑ Endorse ☐ Do Not Endorse the above referenced item.

David Hutchinson — Date
Selectman-South Hadley

Town of Holland

I, Board of Selectmen member of the town of Holland, hereby

☑ Endorse ☐ Do Not Endorse the above referenced item.

Howard Fife — Date
Selectman-Holland

CERTIFICATION OF THE 3-C PLANNING PROCESS

In accordance with the Metropolitan Planning Final Rule, the Pioneer Valley MPO has completed its review and hereby certifies that the conduct of the 3-C Transportation Planning Process complies with the requirements of CFR 450.334 and includes activities to support the development and implementation of this TIP, the Regional Transportation Plan, and subsequent project development activities, as necessary and to the degree appropriate.

To reinforce this self certification, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) conducted a certification review of the Pioneer Valley MPO planning process in June of 1999. The two day on-site review was preceded by a desk audit of the major planning documents completed as part of the planning process. Based on the certification review, the transportation planning process for the Pioneer Valley region was found to substantially meet the requirements of 23 CFR 450 Subpart C and 49 CFR 613.

FUNDING INFORMATION

Federal Aid Funding Targets

The EOTC provided the PVPC federal aid highway funding targets for the region on June 6, 1997. The targets are provided for FFYs 2000 through 2003 and represent both the federal aid portion and respective state match. Annually, the Pioneer Valley region is targeted to receive between $11,220,002 and $7,574,975.

Federal financial resources for transit are projected using appropriated amounts provided by the FTA for the funding categories of Sections 5307 and 5311. Sections 5309 and 20 are based on estimates of what will be reasonably available. Due to the discretionary nature of these categories, project line items are maintained in the fourth through sixth year of the TIP until an actual grant award is tendered. Section 5310 is programmed through the state and is awarded on a discretionary basis. Projections are based on past experience and the funding level provided by the State.

Federal Aid Financial Constraint

The federal aid element of the TIP is financially constrained according to the definition in Federal Register 23 CFR Part 450.324. The federal aid projects programmed for this region reasonably meet the federal aid funding targets provided for the region. Only projects for which funds can be expected have been included. Table 24 shows both these target amounts and the amounts programmed for highway during fiscal years 2000-2004. Projects that are not charged against the funding targets are not presented in the table. These projects include: Statewide items; and special funding projects.

Table 24
Federal Highway Financial Plan

Fiscal Year	Federal Aid Target	Federal Aid Programmed
2000	$5,765,000	$5,009,343
2001	$6,247,000	$5,281,115
2002	$6,975,000	$5,654,562

The funding targets were programmed to projects according to project priority rating. Projects were programmed slightly beyond the program target with the understanding that the targets are not earmarks and program levels are expected to fluctuate.

The TIP reflects an emphasis on the maintenance and operation of the current transportation system with the ability to provide capital improvements. The federal aid program for each year consist of almost entirely of maintenance projects for the present transportation system.

The transit program outlined in Table 22 represents both apportioned items as well as discretionary items. The total programmed amount represents both the federal, state and local contributions.

Table 25
Federal Transit Financial Plan

Fiscal Year	Total Programmed
2000	$38,560,533
2001	$38,560,533
2002	$33,360,533
2003	$34,167,033
2004	$32,992,033

The transit projects programmed focus on maintaining and operating the present system and reflect little to expansion items with the exeption of FY2000 which includes the redesign and reconstruction of Union Station in Springfield. The present transit system is being evaluated in order to service the same area more efficiently.

REGIONAL FEDERAL AID PROJECT LISTING

The following is a complete listing of the Pioneer Valley federal aid programmed transportation improvement projects for Fiscal Years 2000-2005.

Table 26
2000 Federal Aid Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV5007		Amherst	University Dr.	Widen: Add left turn lane @ 6 locations	$500,000	$400,000	FA	EX
PV7036	602367	Brimfield	Holland E. Brimfield Rd.	Improvement: Rte. 20 to Monson TL	$1,100,000	$880,000	FA	EX
PV8022	48941	Easthampton	Park St. Bridge	Reconstruction: BR# E-05-008 over RR tracks	$640,000	$512,000	FA	EX
PV6034	602076	Monson	Hospital Rd.	Reconstruction: Rte. 32 to State Hospital	$585,000	$468,000	FA	EX
PV6090		Regionwide	Regionwide Enhancement	Regionwide Enhancements	$500,000	$400,000	FA	EX
PV7066		Amherst	Sunderland /Montague Rd	Relocate: Intersection	$575,000	$460,000	FA	EX
PV9002		PVTA	Minuteman Express	Transit Service	$214,000	$171,200	FA	EX
PV5031	600754	Hadley	Mt. Warner Rd.	Replace BR# H-01-002 over Mill River	$401,000	$320,800	FA	EX
PV5108	111309	Palmer	Rte. 20	Rehabilitate: Bridge over Conrail	$800,000	$640,000	FA	EX
PV9004	602609	Granby	Burnett Rd.	Replace: BR# G-09-001	$450,000	$360,000	FA	EX
PV4028		Amherst	ITS Earmark for UMass	UMass Traffic Operation Cntr.	$1,250,000	$1,000,000	FA Other	
PV9998		PVTA	Welfare to Work Program	Antic. year to FTA job access reverse commute gr	$500,000	$500,000	FA Other	
PV9068		PVTA	Vans	Lift Equiped Vans	$500,000	$400,000	5307	
PV9071		PVTA	Facility Improvements	Environmental Compliance	$250,000	$200,000	5307	
PV9072		PVTA	Facility Improvements	Transit Facilities Improvement	$62,500	$50,000	5307	
PV9073		PVTA	Capital Purchase	Training Facility	$937,500	$750,000	5307	
PV9074		PVTA	Maintenance Items	Small Tools & Equipment	$250,000	$200,000	5307	
PV9075		PVTA	Maintenance Items	Preventative Maintenance 7/99-6/01	$750,000	$600,000	5307	
PV9076		PVTA	Service Improvements	Intermodal Terminal Lease	$45,000	$36,000	5307	
PV9077		PVTA	Planning	Planning	$300,000	$240,000	5307	
PV4070		PVTA	Rolling Stock	Installment Payment COPS	$2,400,000	$1,920,000	5307	

PV4071		PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307	
PV4072		PVTA	Capital Purchase	Surveilance Equipment	$250,000	$200,000	5307	
PV4073		PVTA	Capital Purchase	Hardware/Software	$300,000	$240,000	5307	
PV4074		PVTA	Capital Purchase	AVL System Integrator	$625,000	$500,000	5307	
PV4075		PVTA	Service Improvement	ADA Assistance 7/99-6/01	$375,000	$300,000	5307	
PV4076		PVTA	Intermodal Center	Union Station Redevelopment	$1,500,000	$1,200,000	5309	
PV9062		PVTA	Mini-buses	Lift Equipped minibuses	$300,000	$240,000	5310	
PV9063		PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310	
PV9065		PVTA	Capital Purchase	16 Passenger Minibus	$300,000	$240,000	5311	
PV4053		PVTA	Intermodal Center	Union Station Redevelopment	$1,200,000	$1,000,000	HP	
PV5032	1E+05	Hadley/N.Hamp.	Calvin Coolidge Bridge	Rehabilitate: BR# H-01-012 over Conn. River	$5,156,250	$4,125,000	HP	NON
PV4015		Nhmpton/Ehmpto	Manhan/Norwottuck Rail Tra	Wllmsbrg, E. Hamp., Amherst, N. Hamp, Had	$1,650,000	$1,320,000	HP	
PV6078	6E+05	Westfield	Great River Bridge	Design, Engineer and ROW	$825,000	$660,000	HP	
PV9014	6E+05	Springfield	I-91/I-291 Interchange	Ramp relocation/safety improvements	$12,000,000	$9,600,000	NFA Bond	
				TOTAL:	$37,928,750	$30,483,000		

Table 27

2001 Regional Federal Aid Project Listing

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV5004		Agawam	Suffield St. (Rte. 75)	Reconstruction: Rte.147 to Rte. 57	$1,800,000	$1,440,000	FA	EX
PV5174		Amherst	Rte. 116, Bay Rd.	Reconstruction: Intersection	$980,000	$784,000	FA	EX
PV4020		Chicopee	New Lombard Rd.	Replacement: BR# C-13-033	$1,000,000	$800,000	FA	EX
PV5115		Regionwide	Regionwide Enhancements	Regionwide Enhancements	$500,000	$400,000	FA	EX
PV5127		Southwick	Depot St.	Reconstruct: Intersect w/Sheep Pstr Rd.	$45,000	$36,000	FA	EX
PV7007		Southwick	Rte. 168 (Congamond Rd.)	Resurface: College HWY to CT SL	400000	$320,000	FA	EX
PV5135	60067	Springfield	Roosevelt Ave.	Rehabilitate: BR# S-24-091 over Conrail	$650,000	$520,000	FA	EX
PV5177		Amherst	Swamp Brook Bridge	Reconstruction: BR# A-08-???? over Swamp Brook	270000	$216,000	FA	EX
PV8015		Amherst	E. Pleasant St./Pine St.	Install: signal	$450,000	$360,000	FA	EX
PV8137		Williamsburg	Hemingway Rd.	Replace: BR# W-36-003 over Bradford Brook	$152,000	$121,600	FA	EX
PV9999		PVTA	Welfare to Work Program		$500,000	$500,000	FA Other	

PV5032	124911	Hadley/N.Hamp.	Calvin Coolidge Bridge	Rehabilitate: BR# H-01-012 over Conn. River	$2,110,000	$1,688,000	HP	NON
PV4015		Nhmpton/Ehmpton	Manhan/Norwottuck Rail Trai	construct connections in 5 towns	$675,000	$540,000	HP	
PV6078	600933	Westfield	Great River Bridge	Design, Engineer and ROW	$337,500	$270,000	HP	
PV6026		Holyoke	Pleasant St.	Reconstruction: Cabot St. to Rte. 5	$930,000	$744,000	HP	EX
PV4053		PVTA	Intermodal Center	Union Station redevelopment	$8,050,000	$6,440,000	HP	
PV9086		PVTA	Vans	Lift Equiped Vans	$500,000	$400,000	5307	
PV9089		PVTA	Facility Improvements	Environmental Compliance	$250,000	$200,000	5307	
PV9090		PVTA	Maintenance Items	Small Tools & Equipment	$125,000	$100,000	5307	
PV9091		PVTA	Maintenance Items	Preventative Maintenance 7/00-6/02	$750,000	$600,000	5307	
PV9092		PVTA	Service Improvements	Intermodal Terminal Lease	$45,000	$36,000	5307	
PV9093		PVTA	Planning	Planning	$300,000	$240,000	5307	
PV4049		PVTA	Rolling Stock	Installment Payment COPS	$2,400,000	$1,920,000	5307	
PV4050		PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307	
PV4051		PVTA	Capital Purchase	Hardware/Software	$125,000	$100,000	5307	
PV4054		PVTA	Service Improvement	ADA Assistance 7/00-6/02	$375,000	$300,000	5307	
PV4055		PVTA	Facility Improvement	Transit Facility Improvement	$62,500	$50,000	5307	
PV9081		PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310	
PV9082		PVTA	Mini-buses	Lift Equipped minibuses	$300,000	$240,000	5310	
PV9083		PVTA	Capital Purchase	16 Passenger Minibus	$300,000	$240,000	5311	
PV4057		PVTA	Operating Assistance	Minute Man X via Sunderland	$231,000	$184,800	CMAQ	
				TOTAL:	$24,380,500	$20,140,400		

Table 28

2002 Regional Federal Aid Project Listing

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV501	82250	Amherst	Rte. 116	Relocation: 5300ft. north from S. Hadley TL	$1,100,000	$880,000	FA	EX
PV7003		E. Longmeado	Mapleshade Ave.	Reconstruction: Pleasant St. to N. Main St.	$1,500,000	$1,200,000	FA	EX
PV9023		Northampton	Bridge Rd. & N. Maple St.	Improvement: signalization	$175,000	$140,000	FA	EX
PV813	602312	Worthington	Rte. 112	Resurface: Huntington Tl to Bridge	$3,000,000	$2,400,000	FA	EX
PV900	600310	Cummington	Rte. 112	Rehabilitation: Worthington TL north 1.5 miles	$400,000	$320,000	FA	EX
PV5116		Regionwide	Regionwide Enhancements	Regionwide Enhancements	$800,000	$640,000	FA	EX
PV503	124911	Hadley/N.Ham	Calvin Coolidge Bridge	Rehabilitate: BR# H-01-012 over Conn. River	$2,226,250	$1,781,000	HP	NON
PV9054		PVTA	Union Station	Union Station Redevelopment	$2,850,000	$2,280,000	HP	
PV4015		Nhamp./Eham	Manhan/Norwottuck Rail Trai	construct connections in 5 towns	$712,500	$570,000	HP	
PV607	600933	Westfield	Great River Bridge	Design, Engineer and ROW	$356,250	$285,000	HP	
PV6026		Holyoke	Pleasant St.	Reconstruction: Cabot St. to Rte. 5	$285,000	$228,000	HP	EX
PV4066		PVTA	Capital Purchase	AVL System Integrator	$625,000	$500,000	5307	
PV9102		PVTA	Vans	Lift Equiped Vans	$500,000	$400,000	5307	
PV9105		PVTA	Facility Improvements	Environmental Compliance	$250,000	$200,000	5307	
PV9108		PVTA	Service Improvements	Intermodal Terminal Lease	$45,000	$36,000	5307	EX
PV9109		PVTA	Planning	Planning	$300,000	$240,000	5307	
PV4058		PVTA	Capital Purchase	Supervisory Vehicles	$125,000	$100,000	5307	
PV4034		PVTA	Rolling Stock	Installment Payment COPS	$2,400,000	$1,920,000	5307	
PV4079		PVTA	Capital Purchase	Supervisory Vehicles	$125,000	$100,000	5307	
PV4080		PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307	
PV4065		PVTA	Capital Purchase	Hardware/Software	$125,000	$100,000	5307	
PV4067		PVTA	Facility Improvement	Transit Facilities Improvement	$62,500	$50,000	5307	
PV4068		PVTA	Maintenance Items	Small Tools and Equipment	$125,000	$100,000	5307	
PV4069		PVTA	Maintenance items	Preventative Maintenance 7/01-6/03	$750,000	$600,000	5307	
PV4077		PVTA	Service Improvement	ADA Assistance 7/01-6/03	$375,000	$300,000	5307	
PV9096		PVTA	Mini-buses	Lift Equipped minibuses	$300,000	$240,000	5310	
PV9097		PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310	
PV9099		PVTA	Capital Purchase	16 Passenger Minibus	$300,000	$240,000	5311	
				TOTAL:	$20,250,000	$16,200,000		

Table 29

2003 Regional Federal Aid Project Listing

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Fundin	AQ
PV8009		Amherst	E. Leverett Rd. Bridge	Reconstruct: BR# A-08-020 over Cushman Brk	$280,000	$224,000	FA	EX
PV5166	600737	Chester	Smith Rd.	Replace: BR# C-11-023 over Westfield River	$300,000	$240,000	FA	EX
PV7042	600936	Holyoke	Lyman St. Bridge	Replace: BR# H-21-018 First Level Canal	$2,000,000	$1,600,000	FA	EX
PV7043	600935	Holyoke	Rte. 141 Bridge	Replace: BR# H-21-020 First Level Canal	$2,000,000	$1,600,000	FA	EX
PV5035	602420	Holyoke	Commercial St.	Reconstruction: I-391 to Appleton St.	$1,900,000	$1,520,000	FA	NON
PV5057		Northampton	Ryan Rd.	Reconstruction: W. Farms Rd. to Brookside Cir	$1,100,000	$880,000	FA	EX
PV5141	601487	W. Springfield	Elm St.	Reconstruction: Kings Highway Int.	$325,000	$260,000	FA	EX
PV5152	600778	Westfield	Granville Rd.	Replace: BR# W-25-007 over Little River	$1,615,000	$1,292,000	FA	EX
PV6081		Westfield	Mill St. Roadway Rehab	Mill St.	$500,000	$400,000	FA	EX
PV8007		Amherst	Sunderland Rd. Bridge	Replace: BR# A-08-011 over Mill River	$380,000	$304,000	FA	EX
PV8002		Amherst	E. Pleasant St/Eastman La.	Install: Signal/culvert	$490,000	$392,000	FA	EX
PV8139		Monson	Hospital Rd. Bridge	Bridge over Quaboag Stream	$682,000	$545,600	FA	EX
PV9020		Hadley	S. Maple St.	Reconstruction: South of Rte. 9 to Bay Rd.	$1,300,000	$1,040,000	FA	EX
PV9024		Southwick	Congamond Rd. (Rte. 168)	Replace: Culvert btwn S. Pond & Middle Pond	$250,000	$200,000	FA	EX
PV6010	601351	E. Longmeadow	Allen St.	Reconstruction & Widen	$400,000	$320,000	FA	EX
PV5117		Regionwide	Regionwide Enhancements	Regionwide Enhancements	$1,800,000	$1,440,000	FA	EX
PV5032	124911	Hadley/N.Hamp.	Calvin Coolidge Bridge	Rehabilitate: BR# H-01-012 over Conn. River	$2,226,250	$1,781,000	HP	NON
PV9054		PVTA	Intermodal Center	Union Station Redevelopment	$2,850,000	$2,280,000	HP	
PV4015		Nhmpton/Ehmpton	Manhan/Norwottuck Rail Tra	construct connections in 5 towns	$712,500	$570,000	HP	
PV6078	600933	Westfield	Great River Bridge	Design, Engineer and ROW	$356,250	$285,000	HP	
PV6026		Holyoke	Pleasant St.	Reconstruction: Cabot St. to Rte. 5	$285,000	$228,000	HP	EX
PV4081		PVTA	Rolling Stock	Installment Payment COPS	$2,400,000	$1,920,000	5307	
PV4082		PVTA	Vans	Lift Equipped Vans	$500,000	$400,000	5307	
PV4083		PVTA	Capital Purchase	Supervisory Vehicles	$125,000	$100,000	5307	
PV4084		PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307	
PV4085		PVTA	Capital Purchase	Hardware/Software	$125,000	$100,000	5307	
PV4087		PVTA	Facility Improvement	Environmental Compliance	$250,000	$200,000	5307	
PV4088		PVTA	Facility Improvement	Transit Facilities Improvement	$62,500	$50,000	5307	
PV4089		PVTA	Maintenence Items	Small Tools and Equipment	$125,000	$100,000	5307	
PV4090		PVTA	Service Improvement	Preventative Maintenance 7/02-6/04	$750,000	$600,000	5307	
PV4091		PVTA	Service Improvement	Intermodal Terminal Lease	$45,000	$36,000	5307	

PV4092	PVTA	Planning	Planning	$300,000	$240,000	5307
PV4097	PVTA	Service Improvement	ADA Assistance 7/02-6/04	$375,000	$300,000	5307
PV9080	PVTA	Mini-buses	Lift Equipped minibuses	$300,000	$240,000	5310
PV4095	PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310
PV4096	PVTA	Mini-Busses	Lift Equipped Mini-Buses	$300,000	$240,000	5310
PV4093	PVTA	Capital Purchase	16 Passenger Mini-bus	$300,000	$240,000	5311
				TOTAL: $28,147,000	$22,517,600	

Table 30

2004 Regional Federal Aid Project Listing

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV5012		Belchertown	N. Main St.	Reconstruction: Main St. to Rte. 202	$180,580	$144,464	FA	EX
PV7002		E. Longmeadow	Westwood Ave.	Reconstruction: Maple St. to N. Main St.	$1,600,000	$1,280,000	FA	EX
PV6027		Holyoke	Intersections	Improvements: Maple St. to Main St.	$600,000	$480,000	FA	EX
PV7004		Holyoke	Cabot St.	Reconstruction: Main St. to S. Canal St.	$320,000	$256,000	FA	EX
PV5051		Northampton	Rte. 66 Connector	Construction: Old South St. to Rte. 66	$1,500,000	$1,200,000	FA	NON
PV5056		Northampton	Glendale Rd.	Reconstruction: Rte. 66 to Easthampton TL	$1,000,000	$800,000	FA	EX
PV8108		Southampton	Rte. 10 and East St.	Reconstruction & Signalize	$275,000	$220,000	FA	EX
PV8111		Southwick	Rte. 57	Reconstructlon: Rte. 10/202 east 12,000	$310,000	$248,000	FA	EX
PV5145		W. Springfield	S. Boulevard	Reconstruction: Park St. to Westfield St.	$175,000	$140,000	FA	EX
PV5186		W. Springfield	Rte. 5 to Brush Hill Connector	Construction & Bridge Improvement: Labell	$925,000	$740,000	FA	EX
PV6084		Wilbraham	Soule Rd./Main St.	Improvement: Soule Rd./Main St. int.	$250,000	$200,000	FA	EX
PV9028		Amherst	E. Pleasant St. sidewalk	Construct: Sidewalk 7000 l.f.	$95,000	$76,000	FA	EX
PV9012	602386	Westhampton	Southampton Rd.	Reconstruction: Rte. 66 to Stage Rd	$1,400,000	$1,120,000	FA	EX
PV9010		Springfield	Abbott St./Sumner Ave.	Improvement: Signal upgrade	$300,000	$240,000	FA	EX
PV8024		Easthampton	Main St./South St.	Reconstruction: Intersection & signalize	$250,000	$200,000	FA	EX
PV4021		Palmer	Springfield St.	Reconst: Wibraham TL to Main St.	$1,000,000	$800,000	FA	
PV9009		Palmer	Thorndike St. (Rte. 32)	Construct: Climb lane frm Park St. to Pike	$1,000,000	$800,000	FA	

PV9013	Wilbraham	Red Bridge Rd.	Reconstruction: BR# W-35-003	$1,500,000	$1,200,000	FA EX
PV9008	Northampton	Rte. 9 & Bridge Rd.	Improvement: Intersection	$750,000	$600,000	FA EX
PV8045	Northampton	Pedestrian/Bicycle Bridge	Construct: Vernon St. to State Hospital site	$200,000	$160,000	FA EX
PV4022	Springfield	Central St./Hancock St.	Reconstruction: intersection	$200,000	$160,000	FA EX
PV4023	Westfield	Intermodal Trans. Facility	Construction: CBD	$5,000,000	$4,000,000	FA Other
PV5118	Regionwide	Regionwide Enhancements	Regionwide Enhancements	$2,160,355	$1,728,284	FA EX
PV4098	PVTA	Rolling Stock	Replacement Transit Vehicles	$4,625,000	$3,700,000	5307
PV4099	PVTA	Vans	Lift Equipped Vans	$500,000	$400,000	5307
PV4100	PVTA	Capital Purchases	Supervisory Vehicles	$125,000	$100,000	5307
PV4101	PVTA	Capital Purchases	Transit Enhancememnts	$187,500	$150,000	5307
PV4102	PVTA	Capital Purchases	Hardware/Software	$125,000	$100,000	5307
PV4103	PVTA	Facility Improvement	Transit facilities Improvement	$62,500	$50,000	5307
PV4104	PVTA	Maintenance Items	Small tools and Equipment	$125,000	$100,000	5307
PV4105	PVTA	Maintenance items	Preventative Maintenance 7/03-6/05	$750,000	$600,000	5307
PV4106	PVTA	Service Improvement	Intermodal Terminal Lease	$45,000	$36,000	5307
PV4107	PVTA	Service Improvement	ADA Assistance 7/03-6/05	$375,000	$300,000	5307
PV4108	PVTA	Planning	Planning	$300,000	$240,000	5307
PV4111	PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310
PV4112	PVTA	Mini-Buses	Lift Equipped Mini-Buses	$300,000	$240,000	5310
PV4109	PVTA	Capital Purchase	16 Passenger Mini-Bus	$300,000	$240,000	5311
			TOTAL:	$29,060,935	$23,248,748	

Table 31

2005 Regional Federal Aid Project Listing

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV9026		Amherst	Woodside Ave. Bridge	Over Norwottuck Bike Trail	$160,000	$128,000		EX
PV9027		Amherst	Mill St. Bridge	Reconstruction: BR# A-08-008 @ Factory Hollow	$320,000	$256,000		EX
PV9029		Amherst	Strong St. & NE St. sidewalks	Install: sidwalk from Arbor Way to Maplewood Dr.	$160,000	$128,000		EX
PV9030		Amherst	Pine St. sidewalk	Install: Bridge St. to State St.	$85,000	$68,000		EX
PV9031		Amherst	College St. (Rte.9)	Install: sidewalks, S. Whitney St. to SE St.	$240,000	$192,000		EX
PV9032		Amherst	Pomeroy La. pedestrian bridge	Construction: @ Plum Brook east of Rte.116	$75,000	$60,000		
PV9041		Wilbraham	Cottage Ave. Bridge	Rehab: Repaint Bridge	$600,000	$480,000		EX

PV9042	Wilbraham	General Knox Park	Enhancement: Old Bay Rd./Boston Rd.	$112,180	$89,744		EX
PV9038	Northampton	Business Park Link	Construct: Link w/ Rte. 66 & Rte.10	$250,000	$200,000		
PV9039	Northampton	Earl St.	Construction: State hospital property access	$600,000	$480,000		
PV9040	Northampton	Route 10/Earl St. intersection	Install: Signal	100000	$80,000		EX
PV9034	Granville	Border Brook Rd.	Replace: BR# G-10-037 over Border Brook	$300,000	$240,000		EX
PV9035	Granville	Beach Hill Rd.	BR# G-10-028 over Borden Brook	$300,000	240000		EX
PV9036	Granville	Sodom St.	Replace: BR# G-10-006 over Dickinson Brook	$300,000	$240,000		EX
PV9037	Hadley	Rte. 47	Resurface: Stockwell north to Dwyers Bridge	$463,000	$370,400		EX
PV9033	Brimfield	Rte. 20	Construct: sidewalks	$1,500,000	$1,200,000		EX
PV9043	Williamsburg	Bridge St.	Rehabilitate: BR# W-36-011 over Mill River	$150,000	$120,000		EX
PV4124	PVTA	Capital Purchase	16 Passenger Mini-Bus	$300,000	$240,000	5311	
PV4126	PVTA	Vans	Lift Equipped Vans	$250,000	$200,000	5310	
PV4127	PVTA	Mini-Buses	Lift Equipped Mini-Bus	$300,000	$240,000	5310	
PV4113	PVTA	Rolling Stock	Replacement Transit Vehicles	$4,625,000	$3,700,000	5307	
PV4114	PVTA	Vans	Lift Equipped Vans	$500,000	$400,000	5307	
PV4115	PVTA	Capital Purchase	Supervisory Vehicles	$125,000	$100,000	5307	
PV4116	PVTA	Capital Purchase	Transit Enhancements	$187,500	$150,000	5307	
PV4117	PVTA	Capital Purchase	Hardware/Software	$125,000	$100,000	5307	
PV4118	PVTA	Facility Improvement	Transit Facility Improvement	$125,000	$100,000	5307	
PV4119	PVTA	Maintenance Items	Small Tools and Equipment	$125,000	$100,000	5307	
PV4120	PVTA	Maintenance Items	Preventive Maintenance 7/04-6/06	$750,000	$600,000	5307	
PV4121	PVTA	Service Improvement	Intermodal Terminal Lease	$45,000	$36,000	5307	
PV4122	PVTA	Service Improvement	ADA Assistance 7/04-6/06	$375,000	$300,000	5307	
PV4123	PVTA	Planning	Planning	$300,000	$240,000	5307	
				TOTAL: $13,747,680	$10,838,144		

STATEWIDE FEDERAL AID PROJECT LISTING

The EOTC provided each planning agency a listing of statewide items anticipated for FFYs 1999 through 2004. These items are to be funded separately from the regional TIP program. Table 33 shows the TIP targets by program year as provided by EOTC.

Table 32
FFY 2000-2005 STATEWIDE ITEMS

FFY 2000		TOTAL COST	FED. FUNDS
Statewide Bridge Inspection and Rating (on system)	BRR-ON	$ 3,500,000	$ 2,800,000
Statewide Bridge Inspection and Rating (off system)	BRR-OFF	$ 1,500,000	$ 1,200,000
Statewide Infrastructure Improvements	STP SAFETY	$ 1,050,000	$ 840,000
Statewide Bridge Decks, Bridge Painting and Bridge Dams	BR (ON)	$ 1,000,000	$ 800,000
Statewide Transportation Demand Management	CMQ	$ 500,000	$ 400,000
Statewide Transportation Enhancement Program	STP-ENH	$ 1,375,000	$ 1,100,000
Statewide Railroad Grade Crossing Improvements	STP SAFE	$ 500,000	$ 400,000
Statewide Design and Right of Way	STP	$ 4,000,000	$ 3,200,000
Statewide Vehicle Inspection and Maintenance Program	CMQ	$ 1,000,000	$ 800,000
Statewide Interstate Maintenance Program	IM	$ 10,000,000	$ 9,000,000
	TOTALS	$ 24,425,000	$ 20,540,000
FFY2001			
Statewide Infrastructure Improvements	STP SAFETY	$ 2,750,000	$ 2,200,000
Statewide Bridge Decks, Bridge Painting, and Bridge Dams	BR (ON)	$ 2,500,000	$ 2,000,000
Statewide Transportation Demand Management	CMQ	$ 1,800,000	$ 1,440,000
Statewide Transportation Enhancement Program	STP-ENH	$ 1,875,000	$ 1,500,000
Statewide Railroad Grade Crossing Improvements	STP-SAFE	$ 1,000,000	$ 800,000
Statewide Design and Right of Way	STP	$ 4,500,000	$ 3,600,000
Statewide Interstate Maintenance Program	IM	$ 10,000,000	$ 9,000,000
	TOTALS	$ 24,425,000	$ 20,540,000
FFY2002			
Statewide Bridge Inspection and Rating (On System)	BRR-ON	$ 3,500,000	$ 2,800,000
Statewide Bridge Inspection and Rating (Off System)	BRR-OFF	$ 1,500,000	$ 1,200,000
Statewide Infrastructure Improvements	STP-SAFETY	$ 1,050,000	$ 840,000
Statewide Bridge Decks, Bridge painting and Bridge Dams	BR (ON)	$ 1,000,000	$ 800,000
Statewide Transportation Demand Management	CMQ	$ 500,000	$ 400,000
Statewide Transportation Enhancement Program	STP-ENH	$ 1,875,000	$ 1,500,000
Statewide Railroad Grade Crossing Improvements	STP-SAFE	$ 500,000	$ 400,000
Statewide Design and Right of Way	STP	$ 4,500,000	$ 3,600,000
Statewide Interstate Maintenance Program	IM	$ 10,000,000	$ 9,000,000
	TOTALS	$ 24,425,000	$ 20,540,000
FFY2003			
Statewide Infrastructure Improvements	STP SAFETY	$ 2,750,000	$ 2,200,000
Statewide Bridge Decks, Bridge Painting and Bridge Dams	BR (ON)	$ 2,500,000	$ 2,000,000
Statewide Transportation Demand Management	CMQ	$ 1,800,000	$ 1,440,000
Statewide Transportation Enhancement Program	STP-ENH	$ 1,875,000	$ 1,500,000
Statewide Railroad Grade Crossing Improvements	STP-SAFE	$ 1,000,000	$ 800,000
Statewide Design and Right of Way	STP	$ 4,500,000	$ 3,600,000
Statewide Interstate Maintenance Program	IM	$ 10,000,000	$ 9,000,000
	TOTALS	$ 24,425,000	$ 20,540,000

FFY2004					
Statewide Bridge Inspection and Rating (On System)	BRR-ON	$	3,500,000	$	2,800,000
Statewide Bridge Inspection and Rating (Off System)	BRR-OFF	$	1,500,000	$	1,200,000
Statewide Infrastructure Improvements	STP SAFETY	$	1,050,000	$	840,000
Statewide Bridge Decks, Bridge Painting and Bridge Dams	BR (ON)	$	1,000,000	$	800,000
Statewide Transporation Demand Management	CMQ	$	500,000	$	400,000
Statewide Transportation Enhancement Program	STP-ENH	$	1,875,000	$	1,500,000
Statewide Railroad Grade Crossing Improvements	STP-SAFE	$	500,000	$	400,000
Statewide Design and Right of Way	STP	$	4,500,000	$	3,600,000
Statewide Interstate Maintenance Program	IM	$	10,000,000	$	9,000,000
	TOTALS	$	24,425,000	$	20,540,000
FFY2005					
Statewide Infrastructure Improvements	STP SAFETY	$	2,750,000	$	2,200,000
Statewide Bridge Decks, Bridge Painting and Bridge Dams	BR (ON)	$	2,500,000	$	2,000,000
Statewide Transportation Demand Management	CMQ	$	1,800,000	$	1,440,000
Statewide Transportation Enhancemenmt Program	STP-ENH	$	1,875,000	$	1,500,000
Statewide Railroad Grade Crossing Improvements	STP-SAFE	$	1,000,000	$	800,000
Statewide Design and Right of Way	STP	$	4,500,000	$	3,600,000
Statewide Interstate Maintenance Program	IM	$	10,000,000	$	9,000,000
	TOTALS	$	24,425,000	$	20,540,000

PROJECT IMPLEMENTATION

The TIP is also used as a management tool for monitoring the progress and implementation of the RTP and previous TIPs. The status of FFY 1998 and 1999 TIP projects is identified in the following tables.

Table 33
Status of FFY 1998 and 1999 TIP Projects

Contract #	Location	Description	Total Cost	Adv. Cost	Advertised	Awarded
600587	Agawam	Rte. 57	$3,500,000	$2,729,435	12/27/97	06/02/2011
600992	Chicopee	Rte. 141 Bridge	$2,500,000	$2,500,000	10/04/1997	
29240	Chicopee	Granby Rd.	$6,500,000	$6,574,120	05/09/1998	
41935	Holyoke/W. Spfld	Rte. 57	$5,000,000	$5,000,000	10/25/1997	
11900	Huntington	Rte. 66	$2,000,000		02/03/1998	05/06/1998
601880	Monson	Brimfield Rd.	$448,321	$500,000	03/10/1998	
601200	Northampton	Old Spfld. Rd.	$500,000	$1,304,733	06/13/1998	
601483	Russell	Rte. 20	$1,300,000	$2,341,190	12/27/1997	
601584	South Hadley	Rte. 116	$3,700,000		12/17/1997	
	South Hadley	Rte. 116	$100,000		12/06/1997	05/06/1998
601659	South Hadley	Rte. 33	$3,000,000		04/06/1998	
601439	Southwick	S. Longyard Rd.	$175,000		11/12/1997	11/04/1998
61407	Springfield	Roosevelt Ave.	$1,250,000		01/28/1998	05/06/1998
601436	Springfield	Allen St.	$665,000	$688,542	10/18/1997	01/20/1998
	Granville	Water St. Bridge		$23,330,617	11/28/1998	
	Palmer	Retaining Wall-Main St.		$167,010	12/05/1998	
	Belchertown	Main/Maple/Jabish Sts.		$129,714	12/12/1998	
	Easthampton	3 Bridges Painted		$672,850	12/26/1998	
	Palmer	Rte. 20 Bridge		$54,245	02/06/1999	
601200	Northampton	Bridge Replacement			09/19/1999	
601285	Granville	Bridge Replacement			08/27/1999	
602535	Palmer	Emergency Shoring			03/23/1999	
602075	Belchertown	Install Signal			02/02/1999	
602714r	Palmer	Construction:Retaining Wall			01/05/1999	
36575	Westhampton	Replace Bridge			12/08/1998	
601904	Belchertown	Resurface			12/01/1998	
128920	Chicopee	Reconstruction			11/17/1998	
128925	Ludlow	Roadway Reconstruction			10/14/1998	

CONFORMITY DETERMINATION

In accordance with Section 176 (c)(4) of the Clean Air Act as amended in 1990, the Pioneer Valley MPO has completed its review and hereby certifies that the FFY 2000-2005 Transportation Improvement Program has been developed from a conforming Transportation Plan and therefore conforms with 40 CFR parts 51 and 93 issued on November 23, 1993 and 310 CMR 60.03, issued on December 30, 1994.

The CAAA defines conformity to a SIP to mean conformity to the plan's purpose of eliminating or reducing the severity and number of violations of the NAAQS and achieving expeditious attainment of the standards. The Pioneer Valley MPO has certified that all activities outlined in the 1997 Regional Transportation Plan:

- Will not cause or contribute to any new violation of any standard in any area.
- Will not increase the frequency or severity of any existing violation of any standard in any area.
- Will not delay the timely attainment of any standard of any required interim emission reductions or other milestone in any area.

The analysis that was performed on the Pioneer Valley RTP includes all regionally significant transportation projects proposed to be completed within the timeframe of the RTP. All regionally significant projects included in the 2000-2005 TIP have been included in the analysis of the Pioneer Valley RTP; therefore, the TIP has been developed from the currently conforming RTP. The projects in the TIP are of the same design and concept that were analyzed in the RTP. Therefore, no new analysis was required for the TIP. All regionally significant RTP projects for 2000 through 2002 are programmed in the TIP (in other words, non-exempt RTP projects in the 2000 action scenario must be included in the TIP). Because projects in the TIP come from the conforming RTP, the same air quality analysis utilized for the RTP can be used for the TIP.

In addition, conformity to the SIP requires the RTP to be "financially constrained by year and include a financial plan that demonstrates which projects can be implemented using current revenue sources and which projects are to be implemented using proposed revenue sources (while the existing transportation system is being adequately operated and maintained)". The overall RTP is financially constrained to the annual federal apportionment and projections of state resources reasonably expected to be available during the appropriate time frame.

Included in this chapter are the tables taken from the conforming Addendum to the 1997 Regional Transportation Plan for the Pioneer Valley Region. Table 32 shows the non-exempt projects of the FFY 2000-2005 TIP. Table 31 shows the Volatile Organic Compound and Nitrogen Oxide emissions calculated for the Western Massachusetts Ozone Nonattainment Area. As shown in this table, the Pioneer Valley MPO in combination with the other MPOs/RPAs in the Western Nonattainment Area conforms to the requirements set forth in the Massachusetts SIP. Emissions calculated for the Springfield Carbon Monoxide Nonattainment Area are also included. Therefore, this

TIP, in combination with the TIPs from the other MPOs in the Western Massachusetts Nonattainment Area, is found to be in compliance.

Table 34

FFY 200-2005 Non-Exempt Projects

Municipality	Project Description
Agawam	Construction: Rte. 187 to Southwick
Hadley	Widen to 4 lanes: West St. to Coolidge Br.
Hadley	ITS mitigation implementation
Hadley/N.Hamp.	Rehabilitate: BR# H-01-012 over Conn. River
Holyoke	Reconstruction: I-391 to Appleton St.
Ludlow/Spfld.	Reconstruction: BR# L-16-008 over Chicopee River
Northampton	Construction: Old South St. to Rte. 66
Springfield	Install: Signals
Westfield	Construction: BR# W-25-010 over Westfield River

Table 35

Western Massachusetts Ozone Nonattainment Area Emission Estimates

Year/ Pollutant	Baseline	Action	1990 Inventory	SIP Budget
1999 VOC	28.453	28.375	62.529	28.417
NOx	52.055	52.037	74.464	52.042
(Spfd) CO	48.675	48.471	91.84	-
2010 VOC	18.905	18.780	62.529	28.417
NOx	43.004	42.989	74.464	52.042
(Spfd) CO	38.479	37.605	91.84	-
2020 VOC	19.257	19.097	62.529	28.417
NOx	44.759	44.749	74.464	52.042
(Spfd) CO	38.720	38.643	91.84	-

Sources: Bureau of Transportation Planning & Development Pioneer Valley Region
Travel Demand Model - Baseline and Action data
Note: Volatile Organic Compounds (VOC), Nitrogen Oxides (NOx), Carbon Monoxide (CO), Ozone precursor emissions in Tons Per Summer Day (TPSD), Carbon Monoxide emissions in Tons per Winter Day (TPWD).

Timely Implementation of Transportation Control Measures

Transportation Control Measures (TCMs) have been required in SIP revisions submitted to EPA in 1979, 1982, and those submitted as mitigation for the construction of the Central Artery project in the Boston Metropolitan Area. Those TCMs included in the 1979 and 1982 submission for implementation in the Pioneer Valley Region have all been accomplished through construction or through implementation of ongoing programs. These projects have all been included in past Pioneer Valley MPO RTPs and TIPs.

V. NON-FEDERAL COMPONENT

FUNDING INFORMATION

Table 36
Non-Federal Highway Financial Plan

Fiscal Year	Non-Federal Aid Programmed
2000	$232,785,343
2001	$47,647,033
2002	$53,893,033
2003	$36,677,033
2004	$46,819,440

The TIP reflects an emphasis on the maintenance and operation of the current transportation system with the ability to provide capital improvements. The non-federal aid program for each year consists almost entirely of maintenance projects for the present transportation system.

REGIONAL NON-FEDERAL AID PROJECT LISTING

The following is a complete listing of the Pioneer Valley non-federal aid programmed transportation improvement projects for Fiscal Years 2000-2005.

Table 37
2000 Non Federal Aid Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV5002	600513	Agawam	N. Westfield St. (Rte. 187)	Reconstruction: Pine St.to Westfield TL	$3,500,000	$0	NFA	EX
PV7001	601296	Agawam	Connecticut Riverwalk	Construction: Agawam	$928,669	$0	NFA	EX
PV5003	115300	Agawam	Rt. 57	Construction: Rte. 187 to Southwick	$28,000,000	$0	NFA	NON
PV4002	600587	Agawam	Route 57 Bridge over 159	BR# A-05-017	$2,729,435	$0	NFA	
PV4016	602601	Agawam	Reconstruct River Road	School St. north to State Hwy.	$300,000	$0	NFA	
PV4017	602653	Agawam	Route 159 (Main Street)	Resurface and related work	$1,200,000	$0	NFA	
PV4018	600937	Agawam	Rte. 5 Agawam/W. Springfield	Resurface from S. End Br. to Elm	$2,000,000	$0	NFA	
PV5173	601566	Amherst	Rte. 9 @ S. Pleasant St.,	Revise: Signals, land acq., left turn lane	$575,000	$0	NFA	EX
PV5008	602121	Amherst	Rte. 9 @ Old Farm Rd.	Install: Signals & reconfigure	$150,000	$0	NFA	EX
PV6001	601661	Amherst	Main St. & N. Pleasant St.	Reconstruction: Intersection/signals	$210,000	$0	NFA	EX
PV7067	602110	Amherst	Rte. 116, Pomeroy La.	Install: Signal	$250,000	$0	NFA	EX
PV8010		Amherst	Meadow St. Bridge	Reconstruction: BR# A-08-028	$210,000	$0	NFA	EX
PV8005	602828	Amherst	UMASS Bikeway Connector	Construction: Near Snell St. & University Dr.	$745,000	$0	NFA	EX
PV8003		Amherst	Bridge St. & Pine St.	Improvement, Install: signal	$330,000	$0	NFA	EX
PV8014		Amherst	North East St./Henry St.	Reconstruction & Relocation	$1,400,000	$0	NFA	EX
PV8001		Amherst	E. Pleasant St./Strong St.	Relocate: Clark Hill Rd. & Install: Signal	$380,000	$0	NFA	EX
PV8019	602075	Belchertown	Main/Jabish/Maple Sts.	Improvement: Intersection	$125,000	$0	NFA	EX
PV4029	601904	Belchertown	Rte. 9	Resurface:	$2,458,289	$0	NFA	
PV9114	600617	Belchertown	Cold Spring Rd	Rehabilitation: over Swift River	$493,000	$0	NFA	
PV4031	602852	Belchertown	Route 9 Bridge	Bridge # B-05-027	$1,500,000	$0	NFA	
PV4032	602419	Belchertown	Route 202	Resurfacing, widening, & related work	$2,000,000	$0	NFA	
PV5015	600733	Brimfield	Monson Rd.	Replace: BR# B-24-00 over Foskett Mill	$383,000	$0	NFA	EX
PV7038	600734	Brimfield	Haynes Hill Rd. Bridge	Replace: BR# B-24-025 over Mill Brook	$388,000	$0	NFA	EX
PV7037	601809	Brimfield	Monson Rd.	Improvement: Rte. 20 to Holland TL	$493,481	$0	NFA	EX

PV4004	601624	Brimfield	Washington St. Bridge	Replace: BR# B-24-018 over Conrail	$277,000	$0	NFA	
PV4019	602540	Brimfield	Route 19 (Wales Rd.)	Rehabilitaion of BR#B-24-006	$125,000	$0	NFA	
PV4060	602349	Chester	Maple Street Bridge	Enhancement: Restoration	$614,288	$0	NFA	
PV8129	602080	Chester	Kinne Brook Rd.	Replace: BR# C-11-024	$621,000	$0	NFA	EX
PV9003	602189	Chester	Rte 20	Replace: BR# C-11-029 over Sanderson Brook	$400,000	$0	NFA	EX
PV6006	601327	Chester	Blandford Rd.	Rehabilitation: Rte. 20 to Blandford TL	$1,200,000	$0	NFA	EX
PV8136	601482	Chester/Becket	Rte. 20	Resurface: Becket TL to Baystate Rd.	$1,379,370	$0	NFA	EX
PV8134	602314	Chester/Huntington	Rte. 20	Resurface: Baystate Rd. to Russell TL	$3,500,000	$0	NFA	EX
PV6032	602231	Chester/Huntington	Skyline Trail	Rehabilitation: Middlefield TL to Cook Hill Rd.	$2,000,000	$0	NFA	EX
PV4061		Chester/Middlefield	Keystone Arch Bridge	Enhancement: Restoration	$569,000	$0	NFA	
PV9019	602126	Chesterfield	Sugar Hill/Old Chesterfield Rds.	Reconstruction: Rte. 143 to Goshen TL	$750,000	$0	NFA	EX
PV7067	601501	Chicopee	Grattan St.	Reconstruction: I-91 off ramp to Montgomery St	$4,000,000	$0	NFA	EX
PV8020	602111	Chicopee	Front St.	Reconstruction/ replace: signals	$4,000,000	$0	NFA	EX
PV5019	128920	Chicopee	Shawinigan Dr.	Reconstruction: Fuller Rd. to Ludlow TL	$3,200,000	$0	NFA	EX
PV4005	601179	Chicopee	Route 116	Reconstruct 116 (Chicopee St.)	$3,455,858	$0	NFA	
PV5022	82611	Chicopee/Holyoke	Rte. 116	Repair: BR# C-13-012, H-21-030	$18,750,000	$0	NFA	EX
PV6014		E.Hamp./N.Hamp.	Manhan Rail Trail	Construction: 8 mile Bike Trail	$3,000,000	$0	NFA	EX
PV4006	601602	E. Longmeadow	Rte. 83	Replace: Dry bridge over RR	$1,200,000	$0	NFA	
PV6011	601350	E. Longmeadow	Elm St. (Rt 21)	Reconstruction: Springfield CL to Center Sq.	$1,900,000	$0	NFA	EX
PV5026	78405	Easthampton	Rte. 5 Bridge	Replace BR# E-05-004 over Manhan River	$800,000	$0	NFA	EX
PV8026	602485	Easthampton	Union St./Main St.	Reconstruction: Intersection & signalize	$225,000	$0	NFA	EX
PV8025		Easthampton	Union St./Cottage St.	Reconstruction: intersection & signalize	$160,000	$0	NFA	EX
PV8021		Easthampton	West St./Rte. 10	Reconstruction: intersection and signalization	$200,000	$0	NFA	EX
PV4001		Easthampton	Manhan Rail trail	construct bike/ped 1100'	$255,000	$0	NFA	EX
PV8128	601537	Goshen	S. Chesterfield Rd.	Reconstruction: Sugar Hill Rd. Soaker Rd.	$2,000,000	$0	NFA	EX
PV7063	601285	Granville	Water St.	Replace: BR# G-10-16 over Dickinson Brook	$207,000	$0	NFA	EX
PV8034		Granville	Old Westfield Rd.	Replace: BR#šG-10-013 over Hollister Brook	$300,000	$0	NFA	EX
PV8031		Granville	Rte. 57	BR# G-10-004 over Dickinson Brook	$300,000	$0	NFA	EX
PV8030		Granville	Old Westfield Rd.	Replace: BR# G-10-003 over Tilloston Brook	$300,000	$0	NFA	EX
PV8037		Granville	Rte. 57	Resurface: 9 miles	$750,000	$0	NFA	EX
PV5030	600302	Hadley	Rte. 9 (Russell Street)	Widen to 4 lanes: West St. to Coolidge Br.	$2,200,000	$0	NFA	NON
PV4007	601674	Hadley	Rte. 9 Mt. Farms to University D	Resurface & 5 signal improvements	$775,000	$0	NFA	
PV4008	601173	Hadley	Bay Road	Amherst TL to E. Hadley Rd.	$556,278	$0	NFA	
PV4062		Hadley	Rte. 9 (Russell Street) ITS	ITS mitigation implementation	$1,500,000	$0	NFA	NON

PV5032	124911	Hadley/N.Hamp.	Calvin Coolidge Bridge	Rehabilitate: BR# H-01-012 over Conn. River	$12,432,575	$0	NFA	NON
PV4009	602069	Hatfield	Route 5/10	Resurface and related work	$2,200,000	$0	NFA	
PV9006	602536	Holyoke	Lyman St.	Reconstruct: BR# H-21-16	$2,000,000	$0	NFA	EX
PV7045	600994	Longmeadow	Bark Haul Rd.	Replace: BR# L-14-002 over Rte. I-91	$800,000	$0	NFA	EX
PV5037	600583	Longmeadow/Spfld	I-91	Improvement: Lighting system & drainage	$1,500,000	$0	NFA	EX
PV4010	602862	Ludlow	Center Street Bridge	Repair BR#L-16-008=S-24-002	$1,000,000	$0	NFA	
PV5046	30512	Monson	Hovey Rd.	Rehabilitate: BR# M-27-012 over Conrail	$1,091,283	$0	NFA	EX
PV6037	601171	Monson	Thompson St.	Reconstruction: Rte. 32 to Margaret St.	$475,000	$0	NFA	EX
PV6033	601728	Monson	Wales Rd.	Rehabilitate: Moulton Hill Rd. to Wales TL	$364,624	$0	NFA	EX
PV4015		Nhmpton/Ehmpton	Manhan/Norwottuck Rail Trail	construct connections in 5 towns	$3,750,000	$0	NFA	
PV5168	119005	Northampton	Rte. 66	Reconstruction: Rte. 66	$8,834,237	$0	NFA	EX
PV5053	180525	Northampton	Damon Rd.	Reconstruction: Rte. 9 to King St. (Rte. 5)	$1,200,000	$0	NFA	EX
PV5055	602058	Northampton	Chesterfield Rd. Bridge	Replace: BR# N-19-033 & approaches	$250,000	$0	NFA	EX
PV9005	602538	Northampton	Bliss St.	Replace: BR# N-19-23 over Mill River	$1,200,000	$0	NFA	EX
PV8102		Palmer	Shearer's Corner Intersection	Improvement: Rte. 20, Rte. 181 & Shearer St.	$500,000	$0	NFA	EX
PV4011	602535	Palmer	Park Street Bridge	Temp. shoring of BR#P-01-024B	$75,000	$0	NFA	
PV5111	601154	Pelham	Amherst Rd.	Reconstruction: W/O Rte. 202 to Amherst TL	$2,052,000	$0	NFA	EX
PV7012		Pelham	Harkness Rd.	Reconstruction: Amherst Rd. to Rte. 9	$1,000,000	$0	NFA	EX
PV9066		PVTA	Operating Assistance	Rural Transit E & H	$127,000	$0	5311	
PV9078		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$0	5307	
PV9079		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$0	5307	
PV8106		South Hadley	Laythrop/Alvord/Brainard Sts.	Reconstruction	$5,000,000	$0	NFA	EX
PV4012	601584	South Hadley	Reconstruct Route 116	College St, Woodbridge St.	$1,400,000	$0	NFA	
PV5120	601174	Southampton	Pomeroy Meadow Rd.	Reconstruction: Rte. 10 to Easthampton TL	$2,052,250	$0	NFA	EX
PV5122	601808	Southampton	Glendale Rd.	Reconstruction: Rte. 10 to Easthampton TL	$1,500,000	$0	NFA	EX
PV5123		Southampton	East St.	Reconstruction: Rte. 10 to Holyoke TL	$800,000	$0	NFA	EX
PV7010	602844	Southwick	Bikepath	Construction: Along Penn. Central Line	$932,500	$0	NFA	EX
PV8110		Southwick	Point Grove Rd.	Replace: culvert between N. Pond & Middle Pond	$300,000	$0	NFA	EX
PV8138	601403	Springfield	Dwight, Chestnut, Columbus	Signal Upgrades	$634,262	$0	NFA	EX
PV7049	601493	Springfield	Armory St. Bridge	Replace: BR# S-24-069 over I-291	$665,755	$0	NFA	EX

PV7063		Springfield	Page Blvd/Robin/Cadwell	Install: Signals	$750,000	$0	NFA	NON
PV5136	61405	Springfield	Roosevelt Ave.	Reconstruction: Bridge #S-24-090 over Conrail	$1,290,000	$0	NFA	EX
PV6076	601296	Springfield	Connecticut Riverwalk	Construction: S.End Br. to Plainfield St.	$2,822,200	$0	NFA	
PV8115	601874	Springfield	Parker St.	Reconstruction: Boston Rd. to Cooley St.	$1,094,644	$0	NFA	EX
PV4013	602570	Springfield	Longhill Street Bridges	BR# S-24-49 & S-24-50 & S-24-51	$2,000,000	$0	NFA	
PV4014	600551	Springfield	Parker St. includ. bridge	Replace BR#S-24-020	$6,532,331	$0	NFA	
PV5144		W. Springfield	Morgan Rd.	Construction: Prospect Ave. to Amostown Rd.	$825,000	$0	NFA	EX
PV7051	600826	Westfield	Rte. 20 Bridges	Replace: BR# W-25-003 & W-25-004	$5,000,000	$0	NFA	EX
PV6083		Westfield	Rte. 10/202 CBD Traffic Improvement	Elm Street	$1,000,000	$0	NFA	EX
PV6082		Westfield	Main St. (Rte. 20)/Prk Sq Hwy Imprvm	Main St., Broad St, Park Square and South Broad	$2,400,000	$0	NFA	EX
PV4027	602870	Westfield	Route 187 Traffic Improvements	Hwy & Bridge Improvement	$3,500,000	$0	NFA	
PV6078	600933	Westfield	Great River Bridge	Design, Engineer and ROW	$1,875,000	$0	NFA	
PV5155	601175	Westhampton	South Rd.	Reconstruction: Rte. 66 to Town Center	$1,300,000	$0	NFA	EX
PV5158	601170	Wilbraham	Faculty & Springfield Sts.	Reconstruction/Realign: Faculty St. int.	$1,845,981	$0	NFA	EX
PV8122	601329	Wilbraham	Rte. 20	Improvement: Boston & Stony Hill Rd. int.	$250,000	$0	NFA	EX
PV6086		Wilbraham	Cottage Ave. Intersection	Improvement: Cottage Ave./Boston Rd.	$150,000	$0	NFA	EX
PV6088		Wilbraham	Maple/Main St. Intersection	Reconstruction: Boston Rd./Maple/Main St.	$800,000	$0	NFA	EX
PV8130	601086	Williamsburg	Rte. 9	Replace: BR W-36-015 over Mill River	$1,000,000	$0	NFA	EX
PV5165	600727	Williamsburg	Ashfield Rd./North St.	Reconstruction: Main St. to Conway TL	$5,000,000	$0	NFA	EX
PV8132	602096	Williamsburg	Rte. 9	Resurface: To Goshen TL	$2,200,000	$0	NFA	EX
					TOTAL: $232,785,343	$0		

Table 38
2001 Non Federal Aid Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV5005	600586	Agawam/Spfld	Rte. 5	Rehabilitate: BR # A-05_001 over CT River	$24,000,000	$0	NFA	EX
PV5009		Amherst	E. Leverett Rd.	Reconstruction	$210,000	$0	NFA	EX
PV6012		Easthampton	Glendale St.	Replace BR# E-05-005 over Manhan River	$750,000	$0	NFA	EX
PV8135		Goshen	Route 9	Resurface: Rte. 112 to Williamsburg TL	$1,345,000	$0	NFA	EX
PV8038		Granville	Wildcat Rd.	Reconstruction: Old Westfield Rd. to Gorge Rd.	$500,000	$0	NFA	EX
PV6028		Holyoke	Linden St.	Improvements: 5 intersections	$400,000	$0	NFA	EX
PV6026		Holyoke	Pleasant St.	Reconstruction: Cabot St. to Rte. 5	$1,500,000	$0	NFA	EX
PV9113	602282	Middlefield	Skyline Trail	Reconstruction: Peru TL to Chester TL	$4,000,000	$0	NFA	
PV6038	601502	Monson	Lower Hampden Rd.	Reconstruction: Hampden TL to Elm St.	$4,000,000	$0	NFA	EX
PV7011	601504	Palmer	Rte. 32	Reconstruction: Stimpson St. to Ware TL	$4,000,000	$0	NFA	EX
PV9084		PVTA	Operating Assistance	Rural Transit E & H	$127,000	$0	5311	
PV9094		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$0	5307	
PV9095		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$0	5307	
PV5126	78702	Southwick	Routes 10/202	Resurface: Westfield CL to CT SL	$4,000,000	$0	NFA	EX
PV7048	601322	Southwick	College Hwy. bridge	Replace: BR# S-22-005 over Johnson Brook	$250,000	$0	NFA	EX
PV5157		Westhampton	Reservoir Rd.	Reconstruction: To Pine Island Lake	$1,360,000	$0	NFA	EX
PV8124		Wilbraham	Stony Hill Rd.	Reconstruction/Realign: River Rd. int.	$70,000	$0	NFA	EX
PV8138		Williamsburg	Geer Hill Rd.	Replace: BR# W-36-029 over Meekin Brook	$340,000	$0	NFA	EX

Table 39
2002 Non Federal Aid Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV8006		Amherst	Pelham Rd. Bridge	Replace: BR# A-08-006 over Fort River	$375,000	$0	NFA	EX
PV8023		Easthampton	O'Neill St./Northampton St.	Reconstruction: Intersection	$250,000	$0	NFA	EX
PV8027		Easthampton	Loudville Rd./Torrey St.	Reconstruction: Intersection & signalization	$300,000	$0	NFA	EX
PV8028		Easthampton	West St./Glendale St.	Reconstruction: Intersection & signalization	$300,000	$0	NFA	EX
PV8036		Granville	Old Westfield Rd.	Resurface: 3.61 miles	$350,000	$0	NFA	EX
PV8039		Hadley	River Dr./Middle St.	Reconstruction: Western portion (3.3 mi.)	$1,300,000	$0	NFA	EX
PV8103	602488	Palmer	Stimpson St.	Reconstruction: Rte. 32 to Gates St. @ River St.	$1,500,000	$0	NFA	EX
PV9100		PVTA	Operating Assistance	Rural Transit E & H	$127,000	$0	5311	
PV9110		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$0	5307	
PV9111		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$0	5307	
PV4078		PVTA	Operating Assistance	Minute Man X via Sunderland	$231,000	$0	CMAQ	
PV7006		Southwick	Rte. 57 West	Resurface: Granville Rd. to SL	$650,000	$0	NFA	EX
PV8113		Springfield	Bikeway/Walkway	Constuct: E. Longmeadow to Watershop Pond	$300,000	$0	NFA	EX
PV5147		W. Springfield	Lower Memorial Ave.	Install: Signals Main St. and Union St.	$65,000	$0	NFA	EX
PV6078	600933	Westfield	Great River Bridge Rt. 10/202	Construct BR# W-25-010 over Westfield River	$20,950,000	$0	NFA	NON
PV5156	602387	Westhampton	Chesterfield Rd.	Reconstruction: Northampton TL to Chesterfield TL	$2,400,000	$0	NFA	EX
				TOTAL:	$53,893,033	$0		

Table 40

2003 Non Federal Aid Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	ed Cos	Funding	AQ
PV5014		Belchertown	N. Washington St./Liberty Sts.	Reconstruction: S. Main St. to Three Rivers TL	$1,600,000	$0	NFA	EX
PV9021		Holyoke	Homestead Ave. & Westfield Rd.	Improvement: Intersection & signals	$400,000	$0	NFA	EX
PV5052		Northampton	Spring St.	Reconstruction: Entire roadway	$1,500,000	$0	NFA	EX
PV8043		Northampton	Downtown Rail Trail Extension	Construct: State St. to New South St.	$1,100,000	$0	NFA	EX
PV9110		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$0	5307	
PV9111		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$0	5307	
PV4094		PVTA	Operating Assistance	Rural Transit E&H	$127,000	$0	5311	
PV7008		Southwick	Sheep Pasture Rd.	Reconstruction: Bridge & Approaches	$160,000	$0	NFA	EX
PV7009		Southwick	N. Loomis St. (Rte. 57)	Reconstruction: Bridge & Approaches	$495,000	$0	NFA	EX
PV5146		W. Springfield	Rte. 147	Reconstruction: Agawam Br. to Memorial Br.	$2,500,000	$0	NFA	EX
PV8121		Westfield	Columbia Greenway Rail trail and River W	abandoned railroad (former NY New Haven)	$4,000,000	$0	NFA	EX
				TOTAL:	$36,677,033	$0		

Table 41
2004 Non Federal Aid Projects

RID	SID	Community	Project Name	Project Description	Ttl Cost	Fed Cost	Funding	AQ
PV9015		Agawam	Bikeway: Main to Robinson S.P.	Construcion: Via Water Works ROW	$635,000	$0	NFA	EX
PV9016		Amherst	State St. Bridge	Reonstruction: BR# A-08-029 over Cushman Broo	$330,000	$0	NFA	EX
PV9017		Amherst	Station Rd. Bridge	Reconstruction: Bridge over Hop Brook	$180,000	$0	NFA	EX
PV9018		Belchertown	Bay Rd.	Reconstruction: Rte. 9 to Amherst TL	$302,407	$0	NFA	EX
PV6005		Brimfield	Brookfield Rd.	Reconstruction: Brookfield Rd. (3.5 mi.)	$3,500,000	$0	NFA	EX
PV5020		Chicopee	Buckley Blvd/Prospect St.	Reconstruction: Buckley Blvd/Prospect St.	$2,200,000	$0	NFA	EX
PV8041		Holyoke	Northampton St.	Rehabilitation	$2,000,000	$0	NFA	EX
PV5050		Northampton	Burts Pit Rd.	Reconstruction: Rte. 66 to Florence Rd.	$1,340,000	$0	NFA	EX
PV9022		Northampton	Norwottock Rail Trail	Enhancement: Construction	$1,100,000	$0	NFA	EX
PV5110		Palmer	Main St./S. Main St.	Reconstruction: Squire St. to Rte. 32	$1,000,000	$0	NFA	EX
PV9110		PVTA	Operating Assistance	E & H Special Transit Services	$3,569,484	$0	5307	
PV9111		PVTA	Operating Assistance	Fixed Route Service	$21,225,549	$0	5307	
PV4110		PVTA	Operating Assistance	Rural Transit E&H	$127,000	$0	5311	
PV5121		Southampton	Coldspring Rd.	Reconstruction: Westhampton TL to Glendale Rd.	$660,000	$0	NFA	EX
PV5140	601487	W. Springfield	Memorial Ave.	Construction: Super-elevated curve	$325,000	$0	NFA	EX
PV5172		W. Springfield	Westfield St. (Rte. 20)	Rehabilitation: Signals at Second & Chestnut Sts.	$325,000	$0	NFA	EX
PV5184		W. Springfield	Westfield St. (Rte. 20)	Reconstruction: Second St. to Sibley Ave.	$3,000,000	$0	NFA	EX
PV5185		W. Springfield	Memorial Bridge Rotary	Memorial Bridge Rotary over Rte. 5 end	$5,000,000	$0	NFA	EX
				TOTAL:	$46,819,440	$0		

APPENDIX A: Project Priority Evaluation Criteria

Project Priority Evaluation Criteria

1. Project Preparedness (Design, Public Hearings, Right of Way Status, Permit Required, MHD Approval and Design Standards or Waivers). Total 20 points.

   a) Design

0 Points	No information available or less than 25% design complete.
1 Point	25% - 75% design complete with associated cost estimate.
2 Points	100% design completed with associated cost estimate.

   b) Public Hearings

0 Points	No information available.
1 Point	If public hearing is completed or scheduled.

   c) Right of Way Status

0 Points	Acquisition required and not completed or no information available.
1 Point	Acquisition completion date scheduled.
2 Points	Acquisition completed or not required.

   d) Permits Required

0 Points	No information available or permit completion date unscheduled.
1 Point	Permits completion date scheduled.
2 Points	All permits completed or not required.

   e) MHD Approval

0 Points	MHD district office not notified
3 Points	MHD district office notified and approves of project.
5 Points	Project received approval from Project Review Committee.

   f) Design Standards or Waivers

0 Points	No information available, does not meet design standards or have required waivers.
5 Points	Project meets design standards and possesses required waivers.

2. Facility Preservation and Maintenance - Score based on "Project Benefit" information.

0 Points	Construction of a new.
5 Points	Facility Preservation benefits provided.
10 Points	Pavement, Bridge, or Public Transit Management project.

3. Congestion Relief - Score based on "Project Benefit" information.

0 Points	Not a congestion relief project.
5 Points	Congestion Relief benefits provide.
10 Points	CMAQ or Congestion Management project.

4. Safety - Score based on "Project Benefit" information.

0 Points	Not a safety project.
5 Points	Safety benefits provided.
10 Points	Hazard Elimination Projects including all STP/S projects.
15 Points	Complete safety project and documentation of high accident location.

5. Enhanced Mobility - Project provides a mobility source other than a Single Occupant Vehicle.

0 Points	Not related.
5 Points	Includes all approved air and water quality and non-motorized projects.
10 Points	Projects identified as a Transportation Control Measure in the SIP.

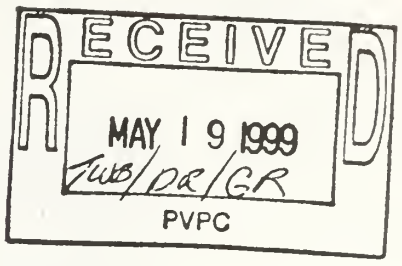
Bonus Points

1 Point	Project will improve access to CBD or Industrial Developments.
1 Point	If this project is the only project submitted by the community for that TIP development year. (ie. One project submittal in 1998 for the FFYs 1998-2003 TIP)
1 Point	If project addresses deficiency identified in the Regional Transportation Plan or Management Systems Report.

Maximum Possible Score is 71 Points

APPENDIX B: EOTC Targets Letter

May 18, 1999



Timothy Brennan
Executive Director
Pioneer Valley Planning Commission
26 Central Street
West Springfield, MA01089

Dear Mr. Brennan:

I have enclosed federal funding targets for the Pioneer Valley region's FY 2000-2005 transportation improvement program. The regional targets remain the same as those used in the amended FFY 1999-2004 STIP, with FFY 2005 programmed to FFY 2004 levels.

Megaprojects funding is set at a level necessary for fiscal year cash flow requirements. The State Transportation Improvement Program will maintain financial constraint and provide for funding levels appropriate to project needs.

If you have any questions, please call me at (617) 973-7858.

Sincerely,

Luisa Paiewonsky, Director
Bureau of Transportation
Planning and Development

Enclosures

cc: Kevin J. Sullivan, Secretary, EOTC
Matthew J. Amorello, Commissioner, MassHighway
Thomas F. Broderick, P.E., Chief Engineer, MassHighway
Mary Beth Begley, Director, CEPO
Kenneth Miller, P.E., Deputy Director, MassHighway
David M. Luce, Manager, MPO Activities, MassHighway
Edward Silva, FHWA
Ross Dindio, District #1 Highway Director

TITLE 23 - TRANSPORTATION FUNDING
for Statewide Road and Bridge Program
(exclusive of Central Artery)

FFY00	Federal Funds	State Funds	Total Funds
Total Authonzation	$528,241,000		
Sources:			
Statewide Share	$166,578,000	$42,812,750	$209,390,750
Projected FFY98-99 Designated HPP Carryover	$31,441,810	$7,860,453	$39,302,263
Subtotal	$198,019,810	$50,673,203	$248,693,013
Federal Program Uses			
Mega Projects/Non High-Priority	$65,327,000	$18,750,000	$84,077,000
Statewide Infrastructure (1)	$20,540,000	$3,885,000	$24,425,000
Planning	$10,000,000	$2,500,000	$12,500,000
High Priority / Non-Mega Projects FFY00	$24,371,100	$6,092,775	$30,463,875
High Priority / Non-Mega Projects Carryover	$31,441,810	$7,860,453	$39,302,263
Statewide / Federal Projects	$48,339,900	$11,584,975	$57,924,875
Total Statewide Federal Program	**$198,019,810**	**$50,673,203**	**$248,693,013**

MPO Targets for Federal Fund Programming (Percentages from MARPA Formula)

		A	B	A + B = C	D	C + D = E
REGIONS	FORMULA	FEDERAL PROGRAM (determined by formula)	REGIONAL HIGH-PRIORITY	TOTAL FEDERAL PROGRAMMING	STATE MATCH FUNDS	TOTAL FUNDS
Berkshire Region	3 56%	$1,647,383	$2,640,000	$4,287,383	$1,071,846	$5,359,229
Cape Cod Region	4 59%	$2,124,684	$1,355,500	$3,480,184	$870,046	$4,350,231
Central Mass Region	8 69%	$4,028,937	$4,289,600	$8,316,537	$2,079,134	$10,395,672
Franklin	2 54%	$1,177,033	$1,617,000	$2,794,033	$698,508	$3,492,542
Martha's Vineyard	0 31%	$143,654	$0	$143,654	$35,913	$179,567
Memmack Valley	4 43%	$2,052,858	$729,000	$2,781,858	$695,464	$3,477,322
Metropolitan Boston Region	42 97%	$19,912,255	$29,466,810	$49,379,065	$12,344,766	$61,723,831
Montechusett	4 46%	$2,066,760	$1,188,000	$3,254,760	$813,690	$4,068,449
Nantucket	0 22%	$101,948	$0	$101,948	$25,487	$127,435
Northern Middlesex	3 91%	$1,811,890	$1,107,000	$2,918,890	$729,723	$3,648,613
Old Colony	4 56%	$2,113,099	$0	$2,113,099	$528,275	$2,641,374
Pioneer Valley	10 81%	$5,009,343	$7,787,700	$12,797,043	$3,199,261	$15,996,304
Southeastern Mass	8 96%	$4,152,055	$5,632,100	$9,784,155	$2,446,039	$12,230,194
	100.00%	$46,339,900	$55,812,710	$102,152,610	$25,536,153	$127,690,763

(1) Statewide Infrastructure essumes $9 M - Interstate Maintenence (90/10)

TITLE 23 - TRANSPORTATION FUNDING
for Statewide Road and Bridge Program
(exclusive of Central Artery)

FFY01	Federal Funds	State Funds	Total Funds
Total Authonzation	$518,052,000		
Sources			
Statewide Share	$150,235,080	$40,676,820	$187,793,850
Projected FFY98-00 Mega Projects/High Priority Carryover	$11,057,800	$2,764,450	$13,822,250
	$161,292,880	$43,441,270	$201,616,100
Federal Program Uses			
Mega Projects/Non High-Priority	$42,311,000	$14,945,800	$57,256,800
Mega Projects/High-Priority	$15,216,800	$3,804,200	$19,021,000
Mega Projects Subtotal(est)	$57,527,800	$18,750,000	$76,277,800
Statewide Infrastructure (1)	$20,540,000	$3,885,000	$24,425,000
Planning	$10,000,000	$2,500,000	$12,500,000
High Priority / Non-Mega Projects	$24,371,100	$6,092,775	$30,463,875
Statewide / Federal Projects	$48,853,980	$12,213,495	$61,067,475
Total Statewide Federal Program	**$161,292,880**	**$43,441,270**	**$204,734,150**

MPO Targets for Federal Fund Programming (Percentages from MARPA Formula)

		A	B	A + B = C	D	C + D = E
REGIONS	FORMULA	FEDERAL PROGRAM (determined by formula)	REGIONAL HIGH-PRIORITY	TOTAL FEDERAL PROGRAMMING	STATE MATCH FUNDS	TOTAL FUNDS
Berkshire Region	3 56%	$1,736,759	$1,080,000	$2,816,759	$704,190	$3,520,949
Cape Cod Region	4 59%	$2,239,955	$634,500	$2,874,455	$718,614	$3,593,069
Central Mass Region	8 69%	$4,245,411	$1,404,000	$5,649,411	$1,412,353	$7,061,764
Franklin	2 54%	$1,240,891	$661,500	$1,902,391	$475,598	$2,377,989
Martha's Vineyard	0 31%	$151,447	$0	$151,447	$37,862	$189,309
Merrimack Valley	4 43%	$2,164,231	$729,405	$2,893,636	$723,409	$3,617,045
Metropolitan Boston Region	42 97%	$20,992,555	$12,373,695	$33,366,250	$8,341,563	$41,707,813
Montachusett	4 46%	$2,178,888	$891,000	$3,069,888	$767,472	$3,837,359
Nantucket	0 22%	$107,479	$0	$107,479	$26,870	$134,348
Northern Middlesex	3 91%	$1,910,191	$1,107,000	$3,017,191	$754,298	$3,771,488
Old Colony	4 56%	$2,227,741	$0	$2,227,741	$556,935	$2,784,677
Pioneer Valley	10 81%	$5,281,115	$3,186,000	$8,467,115	$2,116,779	$10,583,894
Southeastern Mass	8 96%	$4,377,317	$2,304,000	$6,681,317	$1,670,329	$8,351,646
	100.00%	$48,853,980	$24,371,100	$73,225,080	$18,306,270	$91,531,350

(1) Statewide Infrastructure assumes $9 M - Interstate Maintenance (90/10)

TITLE 23 - TRANSPORTATION FUNDING
for Statewide Road and Bridge Program
(exclusive of Central Artery)

FFY02	Federal Funds	State Funds	Total Funds
Total Authorization:	$529,167,841		
Statewide Share	$153,458,674	$67,643,418	$221,102,092
Federal Program Uses:			
Mega Projects/Non High-Priority	$40,726,000	$40,710,250	$81,436,250
Mega Projects/High-Priority	$4,159,000	$1,039,750	$5,198,750
Mega Projects Subtotal(est.)	$44,885,000	$41,750,000	$86,635,000
Statewide Infrastructure (1)	$20,540,000	$3,885,000	$24,425,000
Planning	$10,000,000	$2,500,000	$12,500,000
High Priority / Non-Mega Projects	$25,725,050	$6,431,263	$32,156,313
Statewide / Federal Projects	$52,308,624	$13,077,156	$65,385,780
Total Statewide Federal Program	**$153,458,674**	**$67,643,418**	**$221,102,092**

MPO Targets for Federal Fund Programming (Percentages from MARPA Formula)

		A	B	A + B = C	D	C + D = E
REGIONS	FORMULA	FEDERAL PROGRAM (determined by formula)	REGIONAL HIGH-PRIORITY	TOTAL FEDERAL PROGRAMMING	STATE MATCH FUNDS	TOTAL FUNDS
Berkshire Region	3.56%	$1,859,572	$1,140,000	$2,999,572	$749,893	$3,749,464
Cape Cod Region	4.59%	$2,398,350	$669,750	$3,068,100	$767,025	$3,835,126
Central Mass Region	8.69%	$4,545,619	$1,482,000	$6,027,619	$1,506,905	$7,534,524
Franklin	2.54%	$1,328,639	$698,250	$2,026,889	$506,722	$2,533,611
Martha's Vineyard	0.31%	$162,157	$0	$162,157	$40,539	$202,696
Merrimack Valley	4.43%	$2,317,272	$769,928	$3,087,200	$771,800	$3,858,999
Metropolitan Boston Region	42.97%	$22,477,016	$13,061,123	$35,538,138	$8,884,535	$44,422,673
Montachusett	4.46%	$2,332,965	$940,500	$3,273,465	$818,366	$4,091,831
Nantucket	0.22%	$115,079	$0	$115,079	$28,770	$143,849
Northern Middlesex	3.91%	$2,045,267	$1,168,500	$3,213,767	$803,442	$4,017,209
Old Colony	4.56%	$2,385,273	$0	$2,385,273	$596,318	$2,981,592
Pioneer Valley	10.81%	$5,654,562	$3,363,000	$9,017,562	$2,254,391	$11,271,953
Southeastern Mass	8.96%	$4,686,853	$2,432,000	$7,118,853	$1,779,713	$8,898,566
	100.00%	$52,308,624	$25,725,050	$78,033,674	$19,508,418	$97,542,092

(1) Statewide Infrastructure assumes $9 M - Interstate Maintenance (90/10).

TITLE 23 - TRANSPORTATION FUNDING
for Statewide Road and Bridge Program
(exclusive of Central Artery)

FFY03	Federal Funds	State Funds	Total Funds
Total Authonzation.	$538,180,306		
Statewide Share	$269,090,153	$94,022,538	$363,112,691
Federal Program Uses			
Mega Projects/Non High-Priority	$70,679,000	$45,669,750	$116,348,750
Mega Projects/High-Priority	$4,321,000	$1,080,250	$5,401,250
Mega Projects Subtotal(est)	$75,000,000	$46,750,000	$121,750,000
Statewide Infrastructure (1)	$20,540,000	$3,885,000	$24,425,000
Planning	$10,000,000	$2,500,000	$12,500,000
High Priority / Non-Mega Projects	$25,725,050	$6,431,263	$32,156,313
Statewide / Federal Projects	$137,825,103	$34,456,276	$172,281,379
Total Statewide Federal Program	**$269,090,153**	**$94,022,538**	**$363,112,691**

MPO Targets for Federal Fund Programming (Percentages from MARPA Formula)

		A	B	A + B = C	D	C + D = E
REGIONS	FORMULA	FEDERAL PROGRAM (determined by formula)	REGIONAL HIGH-PRIORITY	TOTAL FEDERAL PROGRAMMING	STATE MATCH FUNDS	TOTAL FUNDS
Berkshire Region	3 56%	$4,899,682	$1,140,000	$6,039,682	$1,509,921	$7,549,603
Cape Cod Region	4 59%	$6,319,281	$669,750	$6,989,031	$1,747,258	$8,736,289
Central Mass Region	8 69%	$11,977,001	$1,482,000	$13,459,001	$3,364,750	$16,823,752
Franklin	2 54%	$3,500,758	$698,250	$4,199,008	$1,049,752	$5,248,760
Martha's Vineyard	0 31%	$427,258	$0	$427,258	$106,814	$534,072
Memmack Valley	4 43%	$6,105,652	$769,928	$6,875,580	$1,718,895	$8,594,474
Metropolitan Boston Region	42 97%	$59,223,447	$13,061,123	$72,284,569	$18,071,142	$90,355,712
Montachusett	4 46%	$6,147,000	$940,500	$7,087,500	$1,771,875	$8,859,374
Nantucket	0 22%	$303,215	$0	$303,215	$75,804	$379,019
Northern Middlesex	3 91%	$5,388,962	$1,168,500	$6,557,462	$1,639,365	$8,196,827
Old Colony	4 56%	$6,284,825	$0	$6,284,825	$1,571,206	$7,856,031
Pioneer Valley	10 81%	$14,898,894	$3,363,000	$18,261,894	$4,565,473	$22,827,367
Southeastern Mass	8 96%	$12,349,129	$2,432,000	$14,781,129	$3,695,282	$18,476,412
	100.00%	$137,825,103	$25,725,050	$163,550,153	$40,887,538	$204,437,691

(1) Statewide Infrastructure assumes $9 M - Interstate Maintenance (90/10).

TITLE 23 - TRANSPORTATION FUNDING
for Statewide Road and Bridge Program
(exclusive of Central Artery)

FFY04	Federal Funds	State Funds	Total Funds
Total Authorization:	$538,180,306		
Statewide Share	$269,090,153	$101,022,538	$370,112,691
Federal Program Uses:			
Mega Projects Subtotal(est.)	$75,000,000	$53,750,000	$128,750,000
Statewide Infrastructure (1)	$20,540,000	$3,885,000	$24,425,000
Planning	$10,000,000	$2,500,000	$12,500,000
Statewide / Federal Projects	$163,550,153	$40,887,538	$204,437,691
Total Statewide Federal Program	**$269,090,153**	**$101,022,538**	**$370,112,691**

MPO Targets for Federal Fund Programming (Percentages from MARPA Formula)

		A	B	A + B = C
REGIONS	FORMULA	FEDERAL PROGRAM (determined by formula)	STATE MATCH FUNDS	TOTAL FUNDS
Berkshire Region	3.56%	$5,814,208	$1,453,552	$7,267,760
Cape Cod Region	4.59%	$7,498,775	$1,874,694	$9,373,468
Central Mass Region	8.69%	$14,212,508	$3,553,127	$17,765,635
Franklin	2.54%	$4,154,174	$1,038,543	$5,192,717
Martha's Vineyard	0.31%	$507,005	$126,751	$633,757
Merrimack Valley	4.43%	$7,245,272	$1,811,318	$9,056,590
Metropolitan Boston Region	42.97%	$70,277,501	$17,569,375	$87,846,876
Montachusett	4.46%	$7,294,337	$1,823,584	$9,117,921
Nantucket	0.22%	$359,810	$89,953	$449,763
Northern Middlesex	3.91%	$6,394,811	$1,598,703	$7,993,514
Old Colony	4.56%	$7,457,887	$1,864,472	$9,322,359
Pioneer Valley	10.81%	$17,679,772	$4,419,943	$22,099,714
Southeastern Mass	8.96%	$14,654,094	$3,663,523	$18,317,617
	100.00%	$163,550,153	$40,887,538	$204,437,691

(1) Statewide Infrastructure assumes $9 M - Interstate Maintenance (90/10).

TITLE 23 - TRANSPORTATION FUNDING
for Statewide Road and Bridge Program
(exclusive of Central Artery)

FFY05	Federal Funds	State Funds	Total Funds
Total Authorization:	$538,180,306		
Statewide Share	$269,090,153	$66,022,538	$335,112,691
Federal Program Uses:			
Mega Projects Subtotal(est.)	$75,000,000	$18,750,000	$93,750,000
Statewide Infrastructure (1)	$20,540,000	$3,885,000	$24,425,000
Planning	$10,000,000	$2,500,000	$12,500,000
Statewide / Federal Projects	$163,550,153	$40,887,538	$204,437,691
Total Statewide Federal Program	**$269,090,153**	**$66,022,538**	**$335,112,691**

MPO Targets for Federal Fund Programming (Percentages from MARPA Formula)

		A	B	A + B = C
REGIONS	FORMULA	FEDERAL PROGRAM (determined by formula)	STATE MATCH FUNDS	TOTAL FUNDS
Berkshire Region	3 56%	$5,814,208	$1,453,552	$7,267,760
Cape Cod Region	4 59%	$7,498,775	$1,874,694	$9,373,468
Central Mass Region	8 69%	$14,212,508	$3,553,127	$17,765,635
Franklin	2 54%	$4,154,174	$1,038,543	$5,192,717
Martha's Vineyard	0 31%	$507,005	$126,751	$633,757
Merrimack Valley	4 43%	$7,245,272	$1,811,318	$9,056,590
Metropolitan Boston Region	42 97%	$70,277,501	$17,569,375	$87,846,876
Montachusett	4 46%	$7,294,337	$1,823,584	$9,117,921
Nantucket	0 22%	$359,810	$89,953	$449,763
Northern Middlesex	3 91%	$6,394,811	$1,598,703	$7,993,514
Old Colony	4 56%	$7,457,887	$1,864,472	$9,322,359
Pioneer Valley	10 81%	$17,679,772	$4,419,943	$22,099,714
Southeastern Mass	8 96%	$14,654,094	$3,663,523	$18,317,617
	100.00%	$163,550,153	$40,887,538	$204,437,691

(1) Statewide Infrastructure assumes $9 M - Interstate Maintenance (90/10).

APPENDIX C: Prioritized List of Enhancement Projects

Prioritized List of FFY 1998 Transportation Enhancement Projects

Rank	Project Name	*Fund Request	Antic. Award
1	Manhan Rail Construction - Phase 1 : Easthampton	$500,000	$500,000
2	Manhan-Norwottuck-Downtown Northampton Rail Trail Link	$500,000	$0

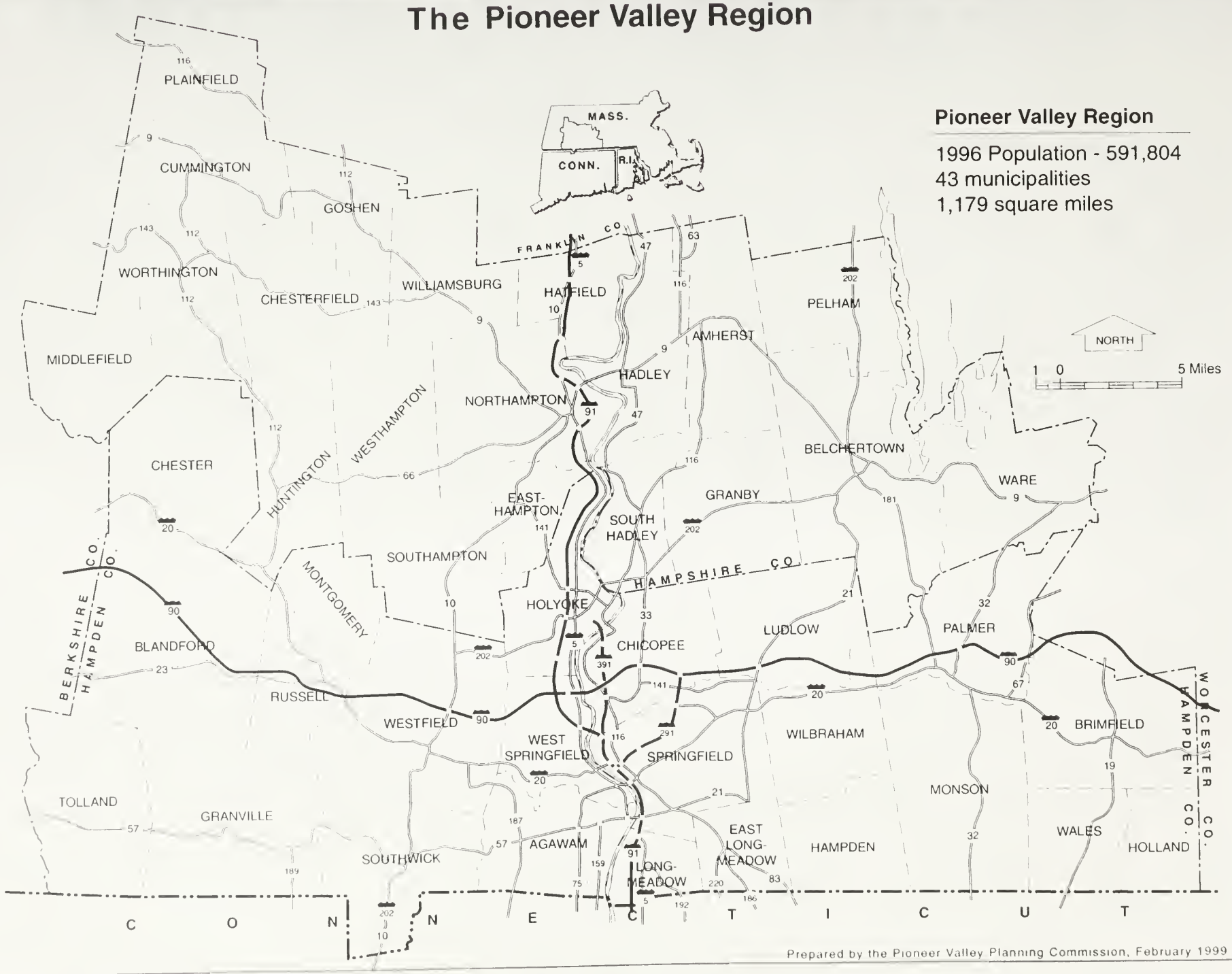
*These numbers do not include the local match. Ranking developed by the Regional Enhancement Evaluation Committee

APPENDIX D: Future Element Projects

Future Annual Element

RID	SID	Municipality	Project Name	Project Description	Fed Cost	Total Cost	Funding	FY	AQ
PV9026		Amherst	Woodside Ave. Bridge	Over Norwottuck Bike Trail	$128,000	$160,000		FE	EX
PV9027		Amherst	Mill St. Bridge	Reconstruction: Factory Hollow	$256,000	$320,000		FE	EX
PV9028		Amherst	E. Pleasant St.	Construct: Sidewalk	$76,000	$95,000		FE	EX
PV9029		Amherst	Strong St. & NE St.	Install: sidwalk	$128,000	$160,000		FE	EX
PV9030		Amherst	Pine St. sidewalk	Install: Bridge St. to State St.	$68,000	$85,000		FE	EX
PV9031		Amherst	College St. (Rte.9)	Install: sidewalks S. Whitney St to SE St	$192,000	$240,000		FE	EX
PV9032		Amherst	Pomeroy La.	Construction: Pedestrian bridge	$60,000	$75,000		FE	EX
PV9033		Brimfield	Rte. 20	Construct: sidewalks	$1,200,000	$1,500,000		FE	EX
PV9034		Granville	Border Brook Rd.	Replace: over Border Brook	$240,000	$300,000		FE	EX
PV9035		Granville	Beach Hill Rd.	BR# G-10-028 over Borden Brook	$240,000	$300,000		FE	EX
PV9036		Granville	Sodom St.	Replace: over Dickinson Brook	$240,000	$300,000		FE	EX
PV9037		Hadley	Rte. 47	Resurface: Stockwell N to Dwyers Br	$370,400	$463,000		FE	EX
PV9038		Northampton	Business Park Link	Construct: Link w/ Rte. 66 & Rte.10	$200,000	$250,000		FE	
PV9039		Northampton	Earl St.	Construction: State hospital property	$480,000	$600,000		FE	
PV9040		Northampton	Route 10/Earl St. intersect	Install: Signal	$80,000	$100,000		FE	EX
PV9041		Wilbraham	Cottage Ave. Bridge	Rehab: Repaint Bridge	$480,000	$600,000		FE	EX
PV9042		Wilbraham	General Knox Park	Enhancement: Old Bay Rd./Boston Rd.	$89,744	$112,180		FE	EX
PV9043		Williamsburg	Bridge St.	Rehabilitate: over Mill River	$120,000	$150,000		FE	EX
					$4,648,144	$5,810,180			

The Pioneer Valley Region



Pioneer Valley Region

1996 Population - 591,804
43 municipalities
1,179 square miles

Prepared by the Pioneer Valley Planning Commission, February 1999